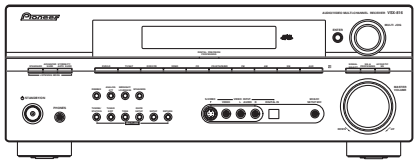
Pioneer sound.vision.soul

Service Manual



VSX-816-K

ORDER NO.
RRV3328

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-816-K
VSX-816-S
VSX-916-K
VSX-916-S

THIS MANUAL IS APPLICABLE TO THE FOLLOWINGMODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-816-K	KUXJ/CA	AC 120 V	
VSX-816-S	KUXJ/CA	AC 120 V	
VSX-916-K	MYXJ5	AC 220 V to 230 V	
VSX-916-S	MYXJ5	AC 220 V to 230 V	

For details, refer to "Important Check Points for Good Servicing".

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ⓒ**PIONEER CORPORATION 2006**

T-ZZK MAY 2006 printed in Japan

SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 – Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

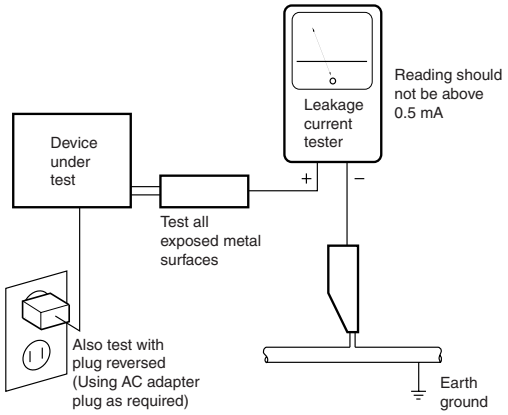
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Leakage current tester
Reading should not be above 0.5 mA
Device under test
+
–
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SPECIFICATIONS

VSX-816/KUXJ/CA

Amplifier section

- **Continuous power output (stereo)**

Front. . 110 W (20 to 20 000 Hz, THD 0.7 %, 8 Ω)[1]

- **Continuous power output (surround)**

Front. . . . . 110 W per channel (1 kHz, 1.0 %, 8 Ω)
Center . . . . . 110 W (1 kHz, 1.0 %, 8 Ω)
Surround . . . . . 110 W per channel (1 kHz, 1.0 %, 8 Ω)
Surround Back . . . . . 110 W per channel (1 kHz, 1.0 %, 8 Ω)

Audio section

- **Input (Sensitivity/Impedance)**

CD, DVR/VCR, CD-R/TAPE/MD, DVD/LD, TV/SAT . . . . . 200 mV/47 kΩ

- **Frequency response**

CD, DVR/VCR, CD-R/TAPE/MD, DVD/LD, TV/SAT . . . . . 5 Hz to 100,000 Hz $^{+0}_{-3}$dB

- **Output (Level/Impedance)**

DVR/VCR REC, CD-R/TAPE/ MD REC. . . . . 200 mV/2.2 kΩ

- **Tone control**

Bass. . . . . .± 6 dB (100 Hz)
Treble. . . . . .± 6 dB (10 kHz)
Loudness. . . . . +10 dB/+5 dB (100 Hz/10 kHz) (at volume level –50 dB)

- **Signal-to-Noise Ratio (IHF, short circuited, A network)**

CD, DVR/VCR, CD-R/TAPE/MD, DVD/LD, TV/SAT . . . . . 96 dB

- **Signal-to Noise Ratio [EIA, at 1 W (1 kHz)]**

CD, DVR/VCR, CD-R/TAPE/MD, DVD/LD, TV/SAT . . . . . 79 dB

Video Section

- **Input (Sensitivity/Impedance)**

DVR/VCR, DVD/LD, TV/SAT. . . . . .1 Vp-p/75 Ω

- **Output (Level/Impedance)**

DVR/VCR, MONITOR OUT. . . . . .1 Vp-p/75 Ω

- **Frequency response**

DVR/VCR, DVD/LD, TV/SAT ⇨ MONITOR . . . . . 5 Hz to 7 MHz $^{+0}_{-3}$dB
Signal-to-Noise Ratio. . . . . 55 dB
Crosstalk. . . . . .50 dB

Component video section

- **Input (Sensitivity)**

DVD/LD, TV/SAT, DVR/VCR . . . . . 1 Vp-p/75 Ω

- **Output (Level/Impedance)**

MONITOR OUT. . . . . 1 Vp-p/75 Ω

- **Frequency response**

DVD/LD, TV/SAT, DVR/VCR ⇨ MONITOR . . . . 5 Hz to 40 MHz $^{+0}_{-3}$dB
Signal-to-Noise Ratio. . . . . .60 dB

- **FM Tuner Section**

Frequency Range . . . . . 87.5 MHz to 108 MHz
Usable Sensitivity . . . . . Mono:13.2 dBf, IHF (1.3 µV/ 75 Ω)
50 dB Quieting Sensitivity. . . . . Mono: 20.2 dB Stereo: 38.6 dBf
Signal-to-Noise Ratio. . . . .Mono: 73 dB (at 85 dBf) Stereo: 70 dB (at 85 dBf)
Distortion . . . . . Stereo: 0.5 % (1 kHz)
Alternate Channel Selectivity . . . . . 60 dB (400 kHz)
Stereo Separation . . . . . .40 dB (1 kHz)
Frequency Response . . . . . 30 Hz to 15 kHz (±1 dB)
Antenna Input (DIN) . . . . . 75 Ω unbalanced

AM Tuner Section

Frequency Range. . . . . 530 kHz to 1700 kHz
Sensitivity (IHF, Loop antenna). . . . . 350 µV/m
Signal-to-Noise Ratio. . . . . .50 dB
Antenna . . . . . Loop antenna

Miscellaneous

Power requirements . . . . . .AC 120V / 60Hz
Power consumption . . . . . 370 W / 480 VA
In standby. . . . . 0.5 W
Dimensions
. . . . . $16^{9}/_{16}$ (W) in. x $6^{1}/_{4}$ (H) in. x $13^{7}/_{8}$ (D) in.
420 (W) mm x 158 (H) mm x 352.5 (D) mm
Weight (without package). . . . . 20.3 lb (9.2 kg)

Furnished Parts

Microphone (for Auto MCACC setup). 1
Dry cell batteries (AA size IEC R6) 2
Remote control 1
AM loop antenna. 1
FM wire antenna 1
Operating instructions

Note

- Specifications and the design are subject to possible modifications without notice, due to improvements.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", "Surround EX", and the double-D symbol are trademarks of Dolby Laboratories.

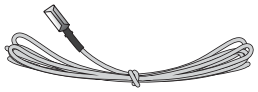
"DTS" ,"DTS-ES" ,"DTS 96/24" and "Neo:6" are trademarks of Digital Theater Systems, Inc.

Note

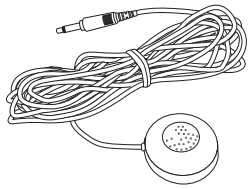
1 Continuous average power output of 110 watts* per channel, min., at 8ohms, from 20 Hz to 20 000 Hz with no more than 0.7 %** total harmonic distortion (front).
* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.
** Measured by Audio Spectrum Analyzer.

Accessories

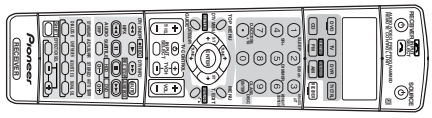
AM loop antenna
(ATB7013)

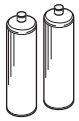


FM wire antenna
(ADH7030)



Microphone
(for Auto MCACC setup)
(APM7008)





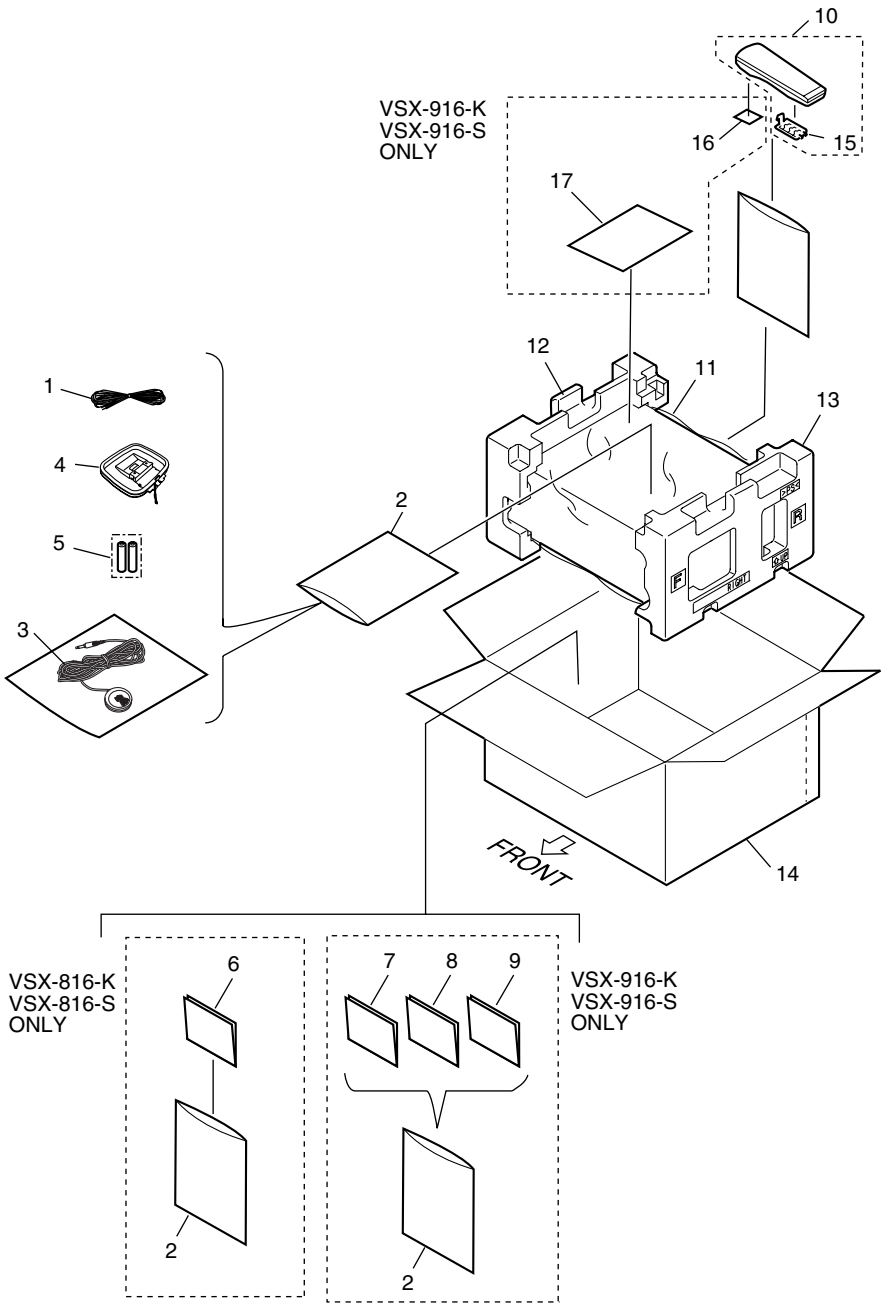
Remote control
(KUXJ/CA : XXD3105)
(MYXJ5 : XXD3107)

AA size IEC R6
Dry cell batteries (x2)

2. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

2.1 PACKING



(1) PACKING SECTION PARTS LIST

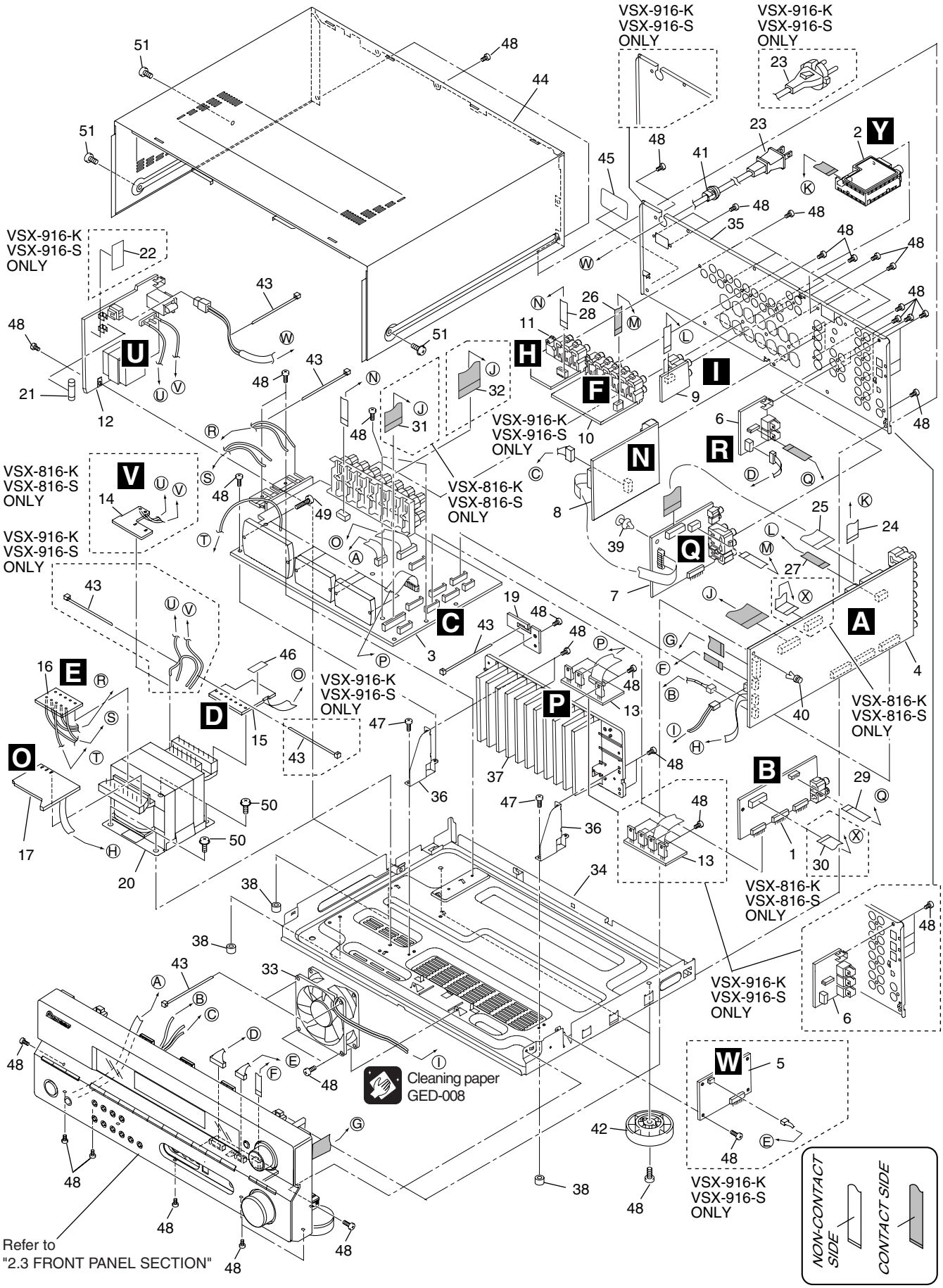
Mark	No.	Description	Part No.
	1	FM Antenna	ADH7030
NSP	2	Polyethylene Bag	See Contrast table(2)
	3	Microphone Assy	APM7008
	4	AM Loop Antenna	ATB7013
NSP	5	Battery (AA/R6) 2P	XEX3001
	6	Operating Instructions (English)	See Contrast table(2)
	7	Operating Instructions (English/Italian)	See Contrast table(2)
	8	Operating Instructions (French/German)	See Contrast table(2)
	9	Operating Instructions (Dutch/Spanish)	See Contrast table(2)
	10	Remote control	See Contrast table(2)
	11	Packing Sheet	AHG7069
	12	Left Pad V3	XHA3158
	13	Right Pad V3	XHA3159
	14	Packing Case	See Contrast table(2)
	15	Battery Cover	XZN3140
	16	Label (WEEE)	See Contrast table(2)
NSP	17	Warranty Card	See Contrast table(2)

(2) CONTRAST TABLE

VSX-816-S/KUXJ/CA, VSX-916-K/MYXJ5, VSX-916-S/MYXJ5 and VSX-816-K/KUXJ/CA are constracted the same except for the following:

Mark	No.	Symbol and Description	VSX-816-K /KUXJ/CA	VSX-816-S /KUXJ/CA	VSX-916-K /MYXJ5	VSX-916-S /MYXJ5
NSP	2	Polyethylene Bag	AHG7117	AHG7117	Z21-038	Z21-038
	6	Operating Instructions (English)	XRB3056	XRB3056	Not used	Not used
	7	Operating Instructions (English/Italian)	Not used	Not used	XRE3117	XRE3117
	8	Operating Instructions (French/German)	Not used	Not used	XRC3226	XRC3226
	9	Operating Instructions (Dutch/Spanish)	Not used	Not used	XRC3225	XRC3225
	10	Remote control	XXD3105	XXD3105	XXD3107	XXD3107
	14	Packing Case	XHD3576	XHD3583	XHD3587	XHD3588
	16	Label (WEEE)	Not used	Not used	ARW7322	ARW7322
NSP	17	Warranty Card	Not used	Not used	ARY7065	ARY7065

2.2 EXTERIOR SECTION



(1) EXTERIOR SECTION PARTS LIST

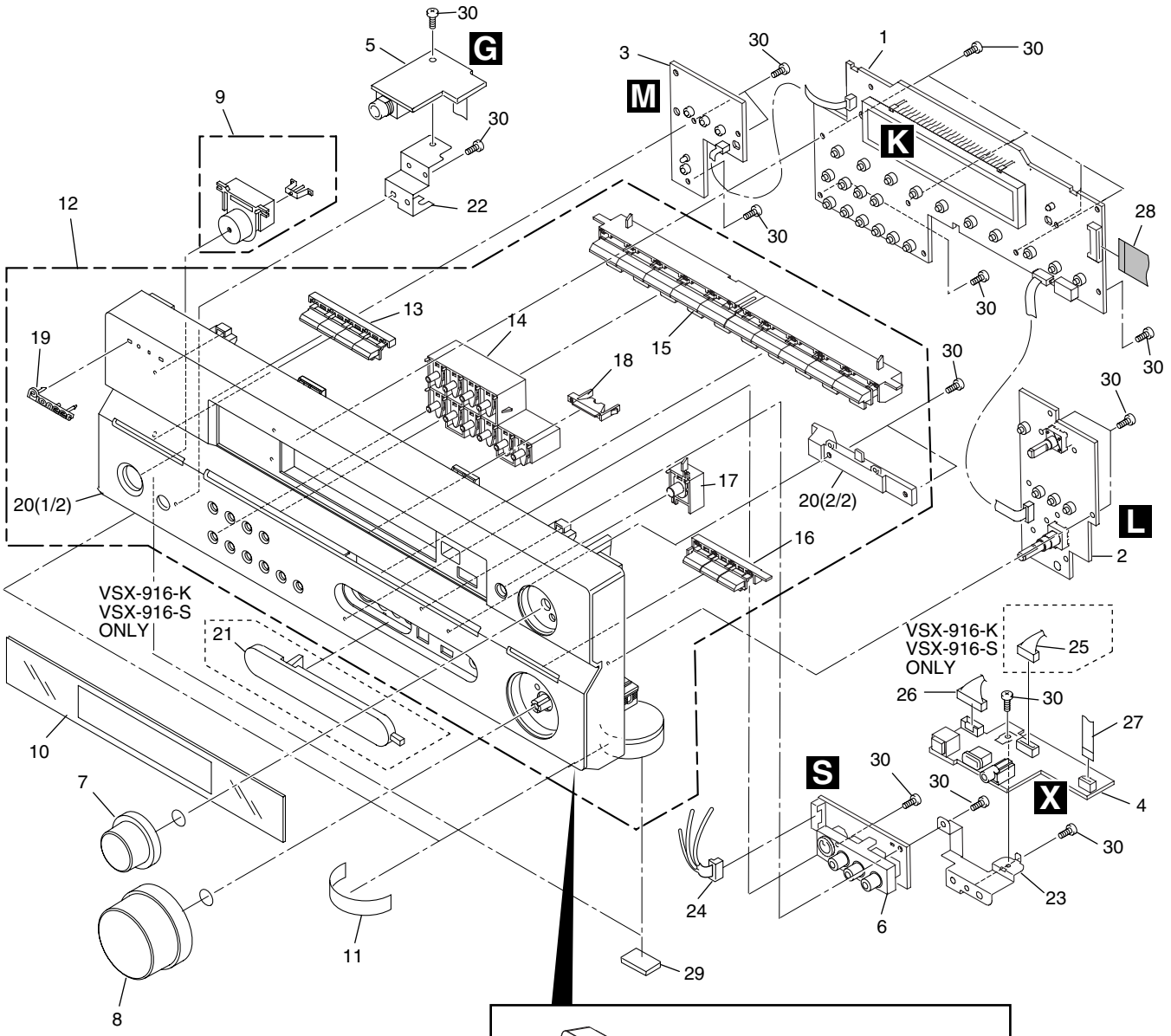
Mark	No.	Description	Part No.
	1	DSP ASSY	See Contrast table(2)
	2	FM/AM TUNER UNIT	See Contrast table(2)
	3	POWER PACK ASSY	See Contrast table(2)
	4	MAIN ASSY	See Contrast table(2)
	5	USB ASSY	See Contrast table(2)
	6	DIGITAL IN ASSY	See Contrast table(2)
	7	VIDEO ASSY	XWZ4062
	8	S VIDEO ASSY	XWZ4065
	9	5.1 CH IN ASSY	XWZ4069
	10	COMPONENT VIDEO ASSY	XWZ4097
	11	PRE-OUT ASSY	See Contrast table(2)
	12	PRIMARY ASSY	See Contrast table(2)
	13	REGULATOR ASSY	See Contrast table(2)
	14	TRANS 1 ASSY	See Contrast table(2)
	15	TRANS 2 ASSY	See Contrast table(2)
	16	TRANS 3 ASSY	XWZ4079
	17	TRANS 4 ASSY	XWZ4093
	18	••••••	
	19	BINDER ASSY	XWZ4199
⚠	20	Transformer	See Contrast table(2)
⚠	21	Fuse	See Contrast table(2)
	22	Fuse Card	See Contrast table(2)
⚠	23	AC Power Cord	See Contrast table(2)
	24	11P F. F. C/30V	XDD3189
	25	19P F. F. C/30V	XDD3190
	26	7P F. F. C/30V	XDD3192
	27	7P F. F. C/30V	XDD3191
	28	8P F. F. C/30V	XDD3195
	29	10P F. F. C/30V	XDD3196
	30	12P F. F. C/30V	See Contrast table(2)
	31	17P F. F. C/30V	See Contrast table(2)
	32	25P F. F. C/30V	See Contrast table(2)
	33	DC Fan Motor	XXM3012
NSP	34	Chassis	XNA3026
	35	R Panel	See Contrast table(2)
	36	H/S Angle V3	XNG3145
NSP	37	H/Sink	XNH3043
NSP	38	Spacer	AEB7092
NSP	39	PCB Spacer	AEC7156
	40	Push Rivet	AEC7205
	41	Cord Stopper	See Contrast table(2)
	42	Insulator	PNW2766
NSP	43	Binder (BK-1)	ZCA-BK1
	44	Bonnet	See Contrast table(2)
NSP	45	Label	VRW1629
	46	ICP Label	See Contrast table(2)
	47	Screw	BBZ30P060FCC
	48	Screw	BBZ30P080FNI
	49	Screw	BBZ30P140FTC
	50	Screw	BBZ40P080FNI
	51	Screw	See Contrast table(2)

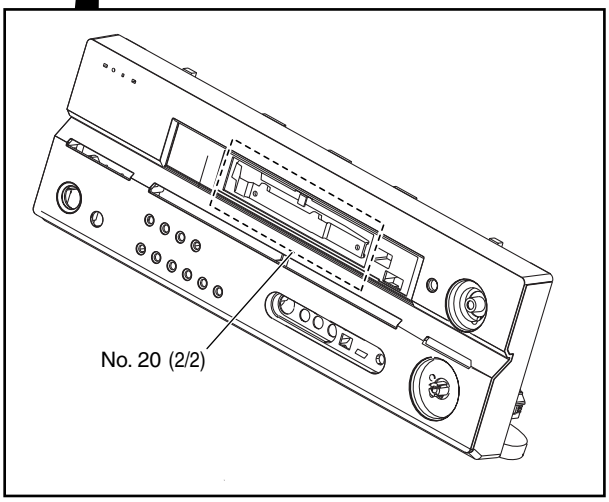
(2) CONTRAST TABLE

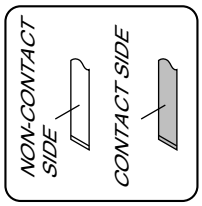
VSX-816-S/KUXJ/CA, VSX-916-K/MYXJ5, VSX-916-S/MYXJ5 and VSX-816-K/KUXJ/CA are constracted the same except for the following:

Mark	No.	Symbol and Description	VSX-816-K /KUXJ/CA	VSX-816-S /KUXJ/CA	VSX-916-K /MYXJ5	VSX-916-S /MYXJ5
	1	DSP ASSY	AWX8699	AWX8699	AWX8572	AWX8572
	2	FM/AM TUNER UNIT	AXX7210	AXX7210	AXX7170	AXX7170
	3	POWER PACK ASSY	XWZ4087	XWZ4087	XWZ4088	XWZ4088
	4	MAIN ASSY	XWK3233	XWK3233	XWK3234	XWK3234
	5	USB ASSY	Not used	Not used	AWX8704	AWX8704
	6	DIGITAL IN ASSY	XWZ4067	XWZ4067	XWZ4068	XWZ4068
	11	PRE-OUT ASSY	XWZ4098	XWZ4098	XWZ4200	XWZ4200
	12	PRIMARY ASSY	XWZ4072	XWZ4072	XWZ4073	XWZ4073
	13	REGULATOR ASSY	XWZ4129	XWZ4129	XWZ4116	XWZ4116
	14	TRANS 1 ASSY	XWZ4078	XWZ4078	Not used	Not used
	15	TRANS 2 ASSY	XWZ4166	XWZ4166	XWZ4092	XWZ4092
⚠	20	Transformer	XTS3101	XTS3101	XTS3102	XTS3102
⚠	21	Fuse (10A)	REK1154	REK1154	Not used	Not used
⚠	21	Fuse (T3.15A)	Not used	Not used	REK1027	REK1027
	22	Fuse Card	Not used	Not used	AAX7493	AAX7493
⚠	23	AC Power Cord	ADG7024	ADG7024	VDG1080	VDG1080
	30	12P F. F. C/30V	XDD3198	XDD3198	Not used	Not used
	31	17P F. F. C/30V	XDD3203	XDD3203	Not used	Not used
	32	25P F. F. C/30V	Not used	Not used	XDD3201	XDD3201
	35	R Panel	XNC3409	XNC3426	XNC3410	XNC3428
	41	Cord Stopper	CM-22-C	CM-22-C	CM-22-B	CM-22-B
	44	Bonnet	XZN3183	XZN3184	XZN3183	XZN3184
	46	ICP Lavel	XAX3120	XAX3120	XAX3121	XAX3121
	51	Screw	BBZ30P080FTB	BBZ30P080FNI	BBZ30P080FTB	BBZ30P080FNI

2.3 FRONT PANEL SECTION







(1) FRONT PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	FRONT DISPLAY ASSY	XWZ4054
	2	R. ENCODER ASSY	XWZ4055
	3	POWER KEY ASSY	XWZ4057
	4	USB IN ASSY	See Contrast table(2)
	5	HP ASSY	XWZ4095
	6	FRONT VIDEO ASSY	XWZ4109
	7	JOG Knob	See Contrast table(2)
	8	VOL Knob	See Contrast table(2)
	9	STDBY BTN Assy	See Contrast table(2)
	10	D Panel V3MCACC	XAK3528
NSP	11	Gold Foil Lavel	XAX3487
NSP	12	F PANEL Assy	See Contrast table(2)
	13	Tuner BTN	See Contrast table(2)
	14	SUB BTN	See Contrast table(2)
	15	FUNC BTN	See Contrast table(2)
	16	LISTEN BTN	See Contrast table(2)
	17	JOG Button	See Contrast table(2)
	18	C Lens V3 (PLS)	XAK3534
	19	PIONEER Badge	See Contrast table(2)
	20	FRT Panel	See Contrast table(2)
	21	Input Cover	See Contrast table(2)
	22	Earth Plate HP V2	XNG3131
	23	Earth Plate FR V3	XNG3144
	24	8P Shield Cable	XDX3026
	25	4P Shield Cable	See Contrast table(2)
	26	5P Shield Cable	XDX3027
	27	5P F.F.C/30V	XDD3199
	28	17P F.F.C/30V	XDD3200
	29	Rubber Sheet	AEB1111
	30	Screw	BPZ30P080FTC

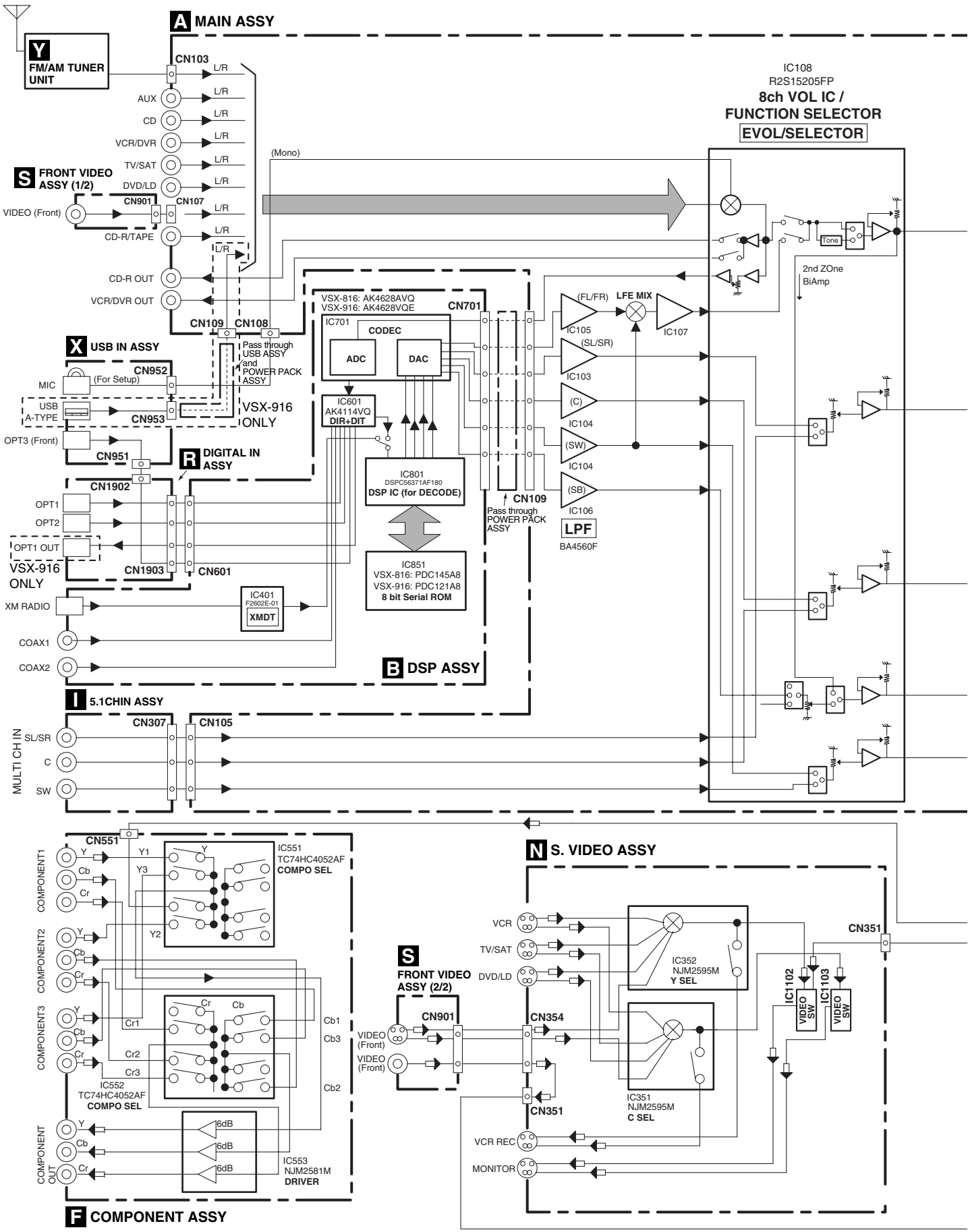
(2) CONTRAST TABLE

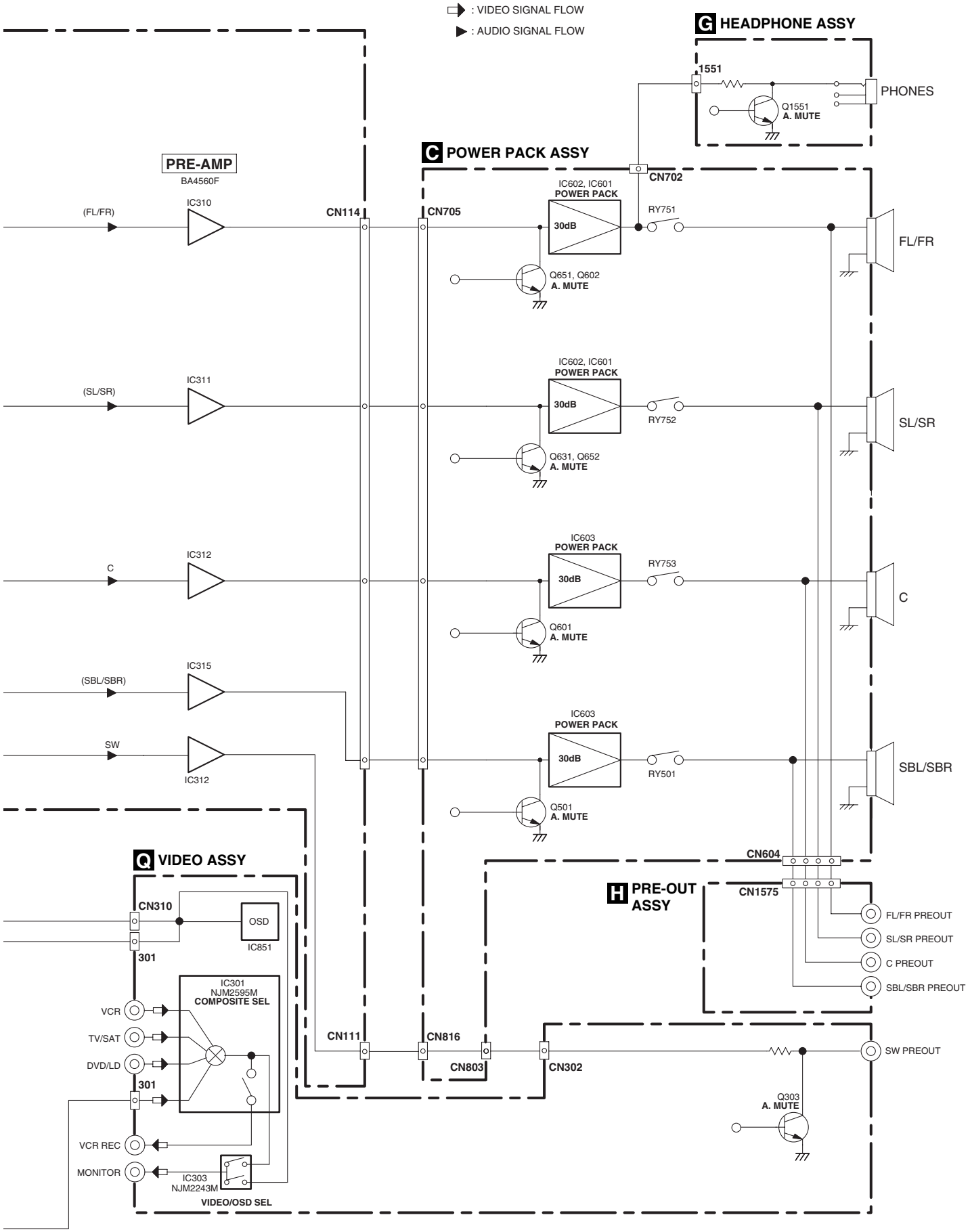
VSX-816-S/KUXJ/CA, VSX-916-K/MYXJ5, VSX-916-S/MYXJ5 and VSX-816-K/KUXJ/CA are constracted the same except for the following:

Mark	No.	Symbol and Description	VSX-816-K /KUXJ/CA	VSX-816-S /KUXJ/CA	VSX-916-K /MYXJ5	VSX-916-S /MYXJ5
	4	USB IN ASSY	XWK3249	XWK3249	XWK3250	XWK3250
	7	JOG Knob	XAB3046	XAB3047	XAB3046	XAB3047
	8	VOL Knob	XAB3049	XAB3050	XAB3049	XAB3050
	9	STDBY BTN Assy	XAD3216	XAD3217	XAD3216	XAD3217
NSP	12	F Panel Assy	XXG3240	XXG3241	XXG3242	XXG3243
	13	Tuner BTN	XAD3230	XAD3248	XAD3230	XAD3248
	14	SUB BTN	XAD3231	XAD3249	XAD3231	XAD3249
	15	FUNC BTN	XAD3232	XAD3250	XAD3232	XAD3250
	16	LISTEN BTN	XAD3233	XAD3251	XAD3233	XAD3251
	17	JOG Button	XAD3240	XAD3252	XAD3240	XAD3252
	19	PIONEER Badge	XAM3006	VAM1129	XAM3006	VAM1129
	20	FRT Panel	XMB3218	XMB3219	XMB3220	XMB3221
	21	Input Cover	Not used	Not used	XAK3532	XAK3533
	25	4P Shield Cable	Not used	Not used	XDX3028	XDX3028

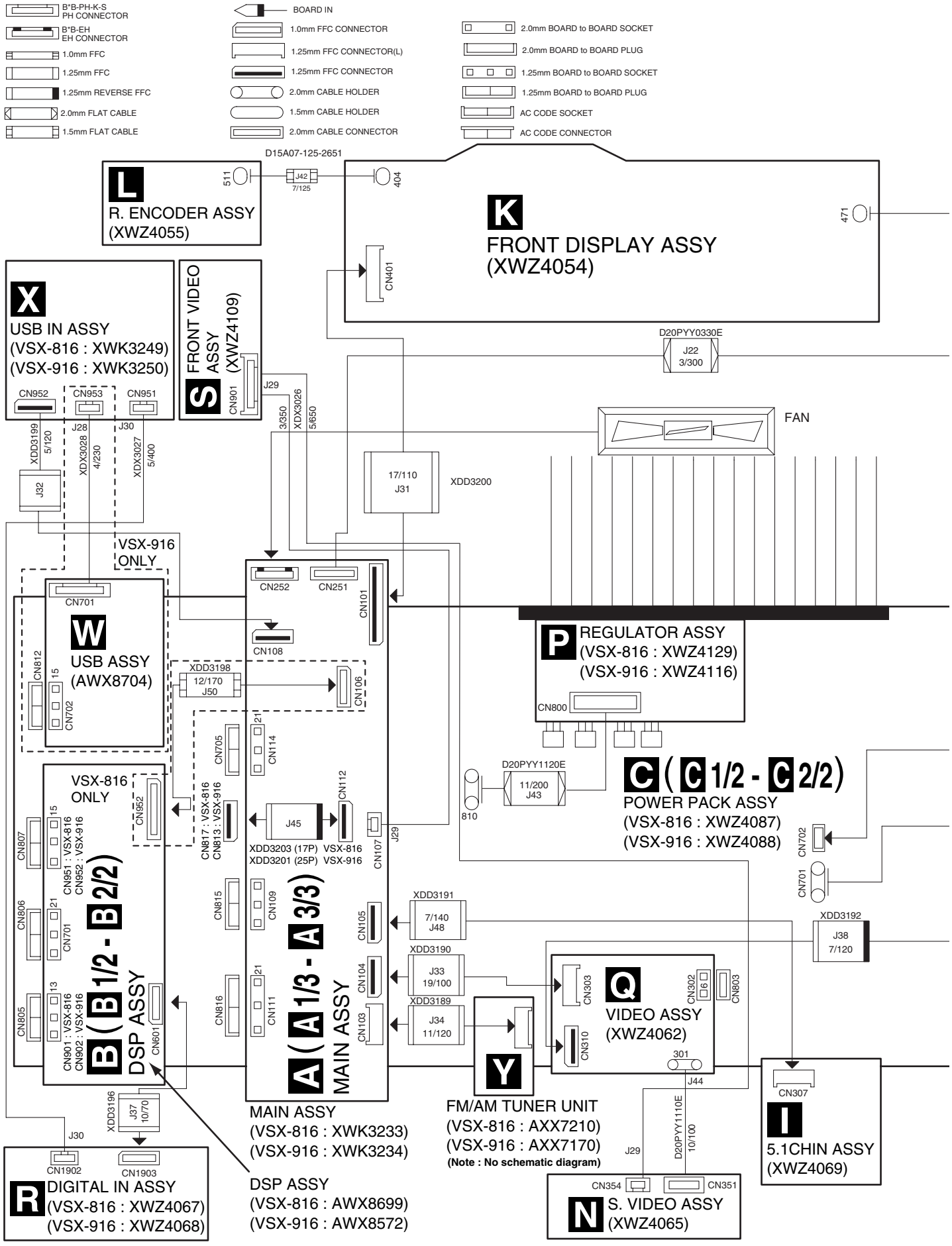
3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

3.1 BLOCK DIAGRAM

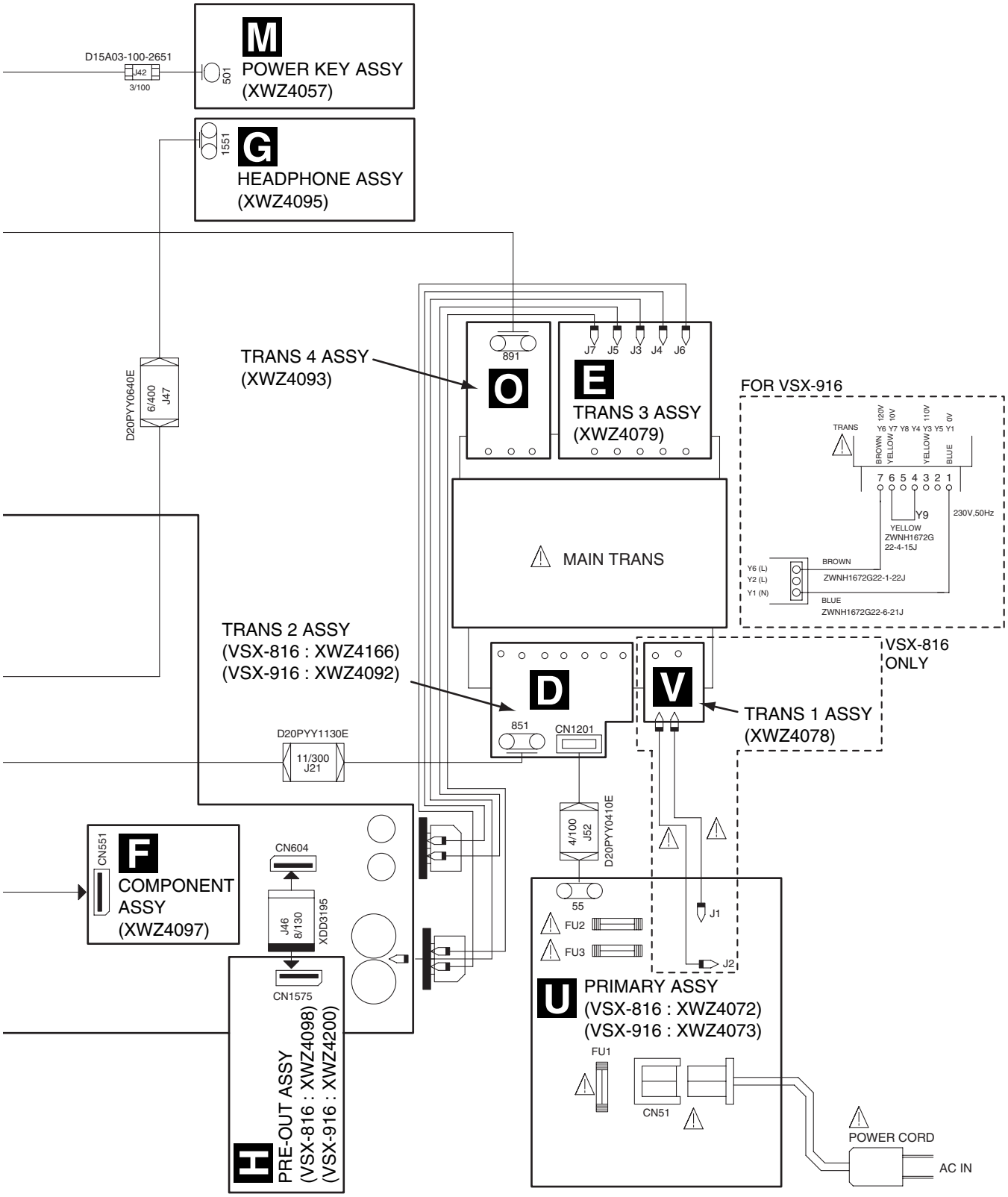



: VIDEO SIGNAL FLOW
: AUDIO SIGNAL FLOW
G HEADPHONE ASSY
1551
PHONES
Q1551
A. MUTE
C POWER PACK ASSY
PRE-AMP
BA4560F
CN702
IC602, IC601
POWER PACK
(FL/FR)
IC310
CN114
CN705
30dB
RY751
FL/FR
Q651, Q602
A. MUTE
IC602, IC601
POWER PACK
(SL/SR)
IC311
30dB
RY752
SL/SR
Q631, Q652
A. MUTE
IC603
POWER PACK
C
IC312
30dB
RY753
C
Q601
A. MUTE
IC315
(SBL/SBR)
IC603
POWER PACK
SW
IC312
30dB
RY501
SBL/SBR
Q501
A. MUTE
CN604
CN1575
H PRE-OUT ASSY
FL/FR PREOUT
SL/SR PREOUT
C PREOUT
SBL/SBR PREOUT
Q VIDEO ASSY
CN310
OSD
IC851
301
IC301
NJM2595M
COMPOSITE SEL
VCR
TV/SAT
DVD/LD
301
CN111
CN816
CN803
CN302
SW PREOUT
Q303
A. MUTE
VCR REC
MONITOR
IC303
NJM2243M
VIDEO/OSD SEL

3.2 OVERALL WIRING CONNECTION DIAGRAM

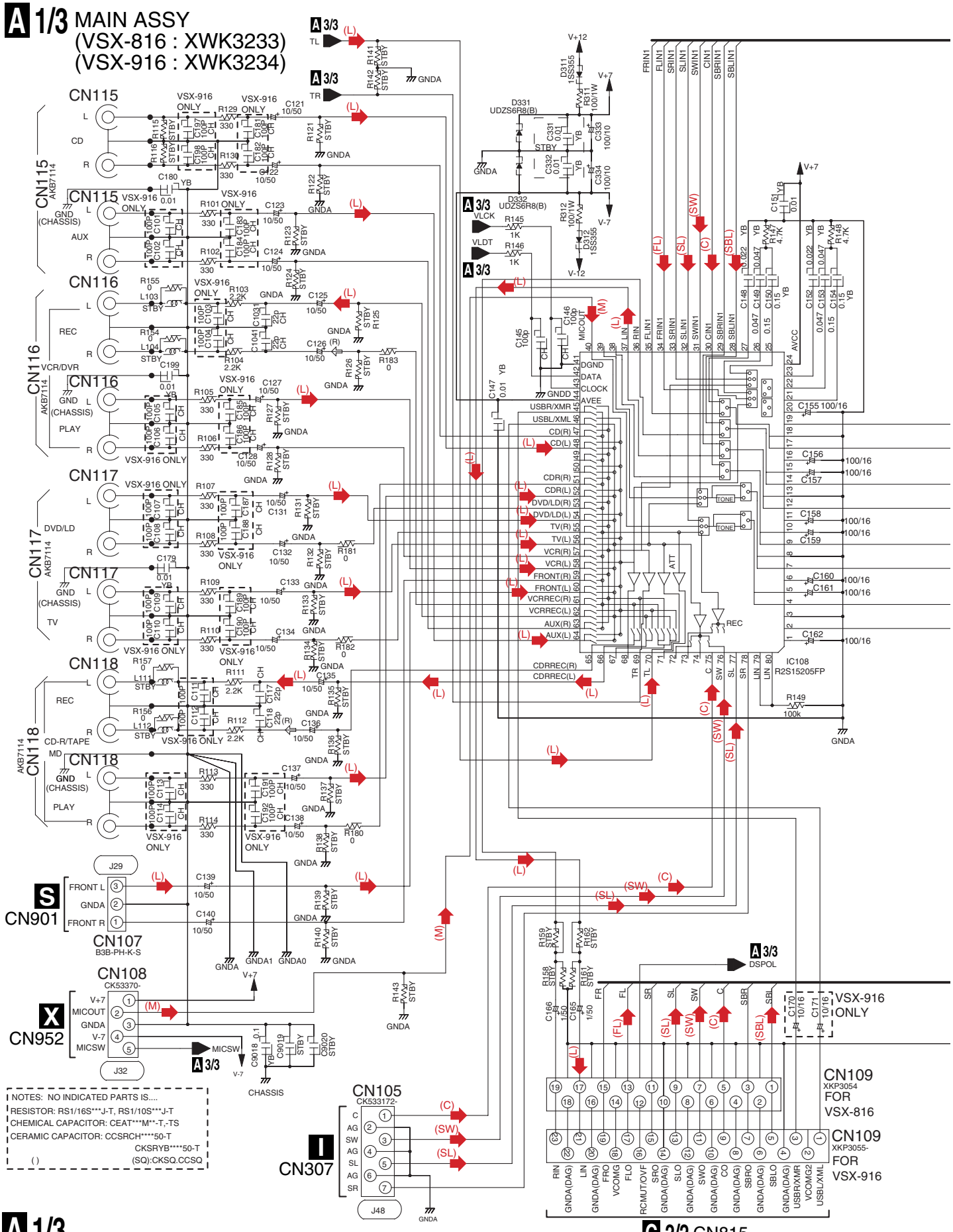


- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply is shown with the marked box.



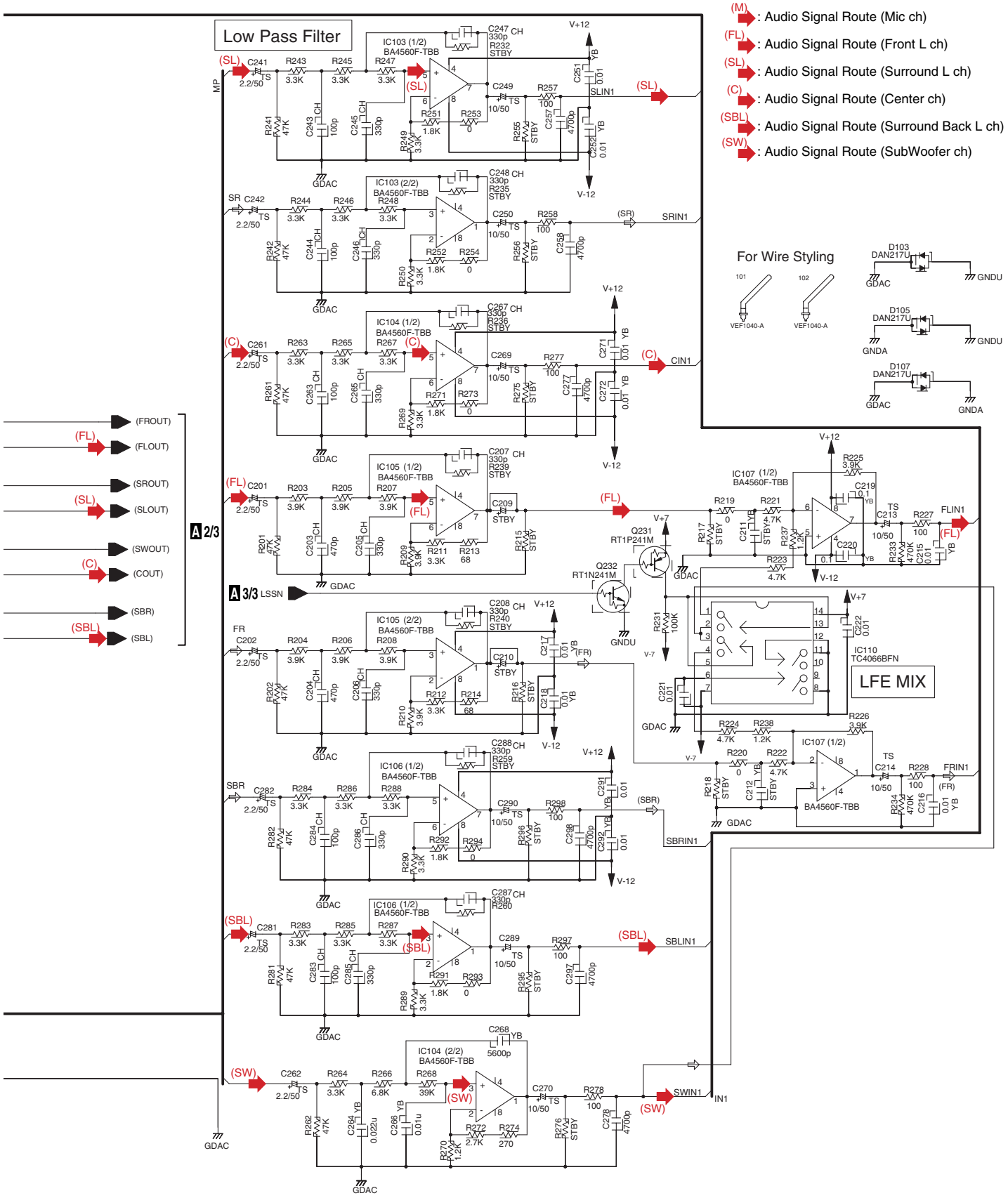
3.3 MAIN ASSY (1/3)

A 1/3 MAIN ASSY
(VSX-816 : XWK3233)
(VSX-916 : XWK3234)



A 1/3

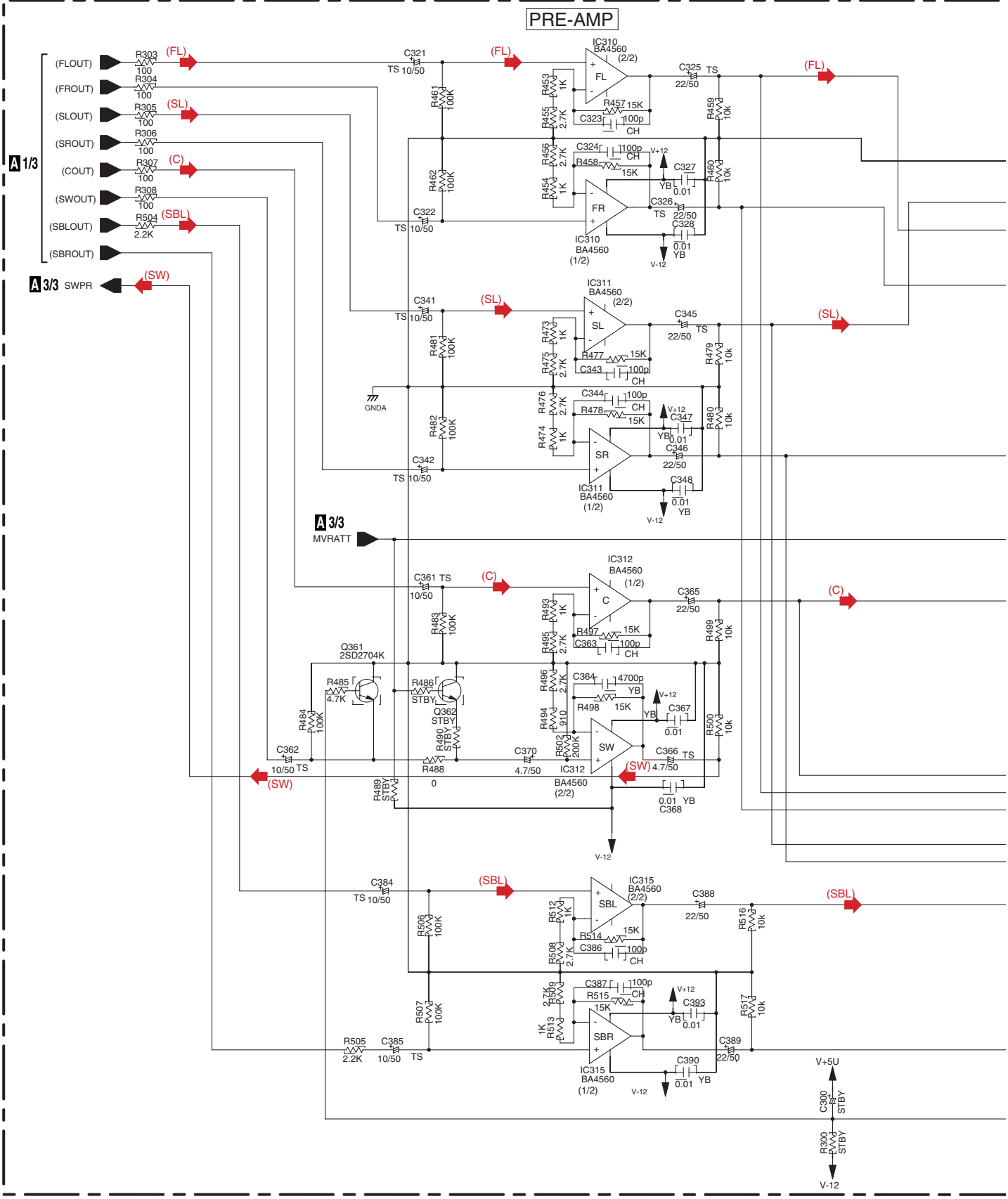
(L) : Audio Signal Route (L ch)
(M) : Audio Signal Route (Mic ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)



A 1/3

3.4 MAIN ASSY (2/3)

A 2/3 MAIN ASSY
(VSX-816 : XWK3233)
(VSX-916 : XWK3234)



A 2/3

(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

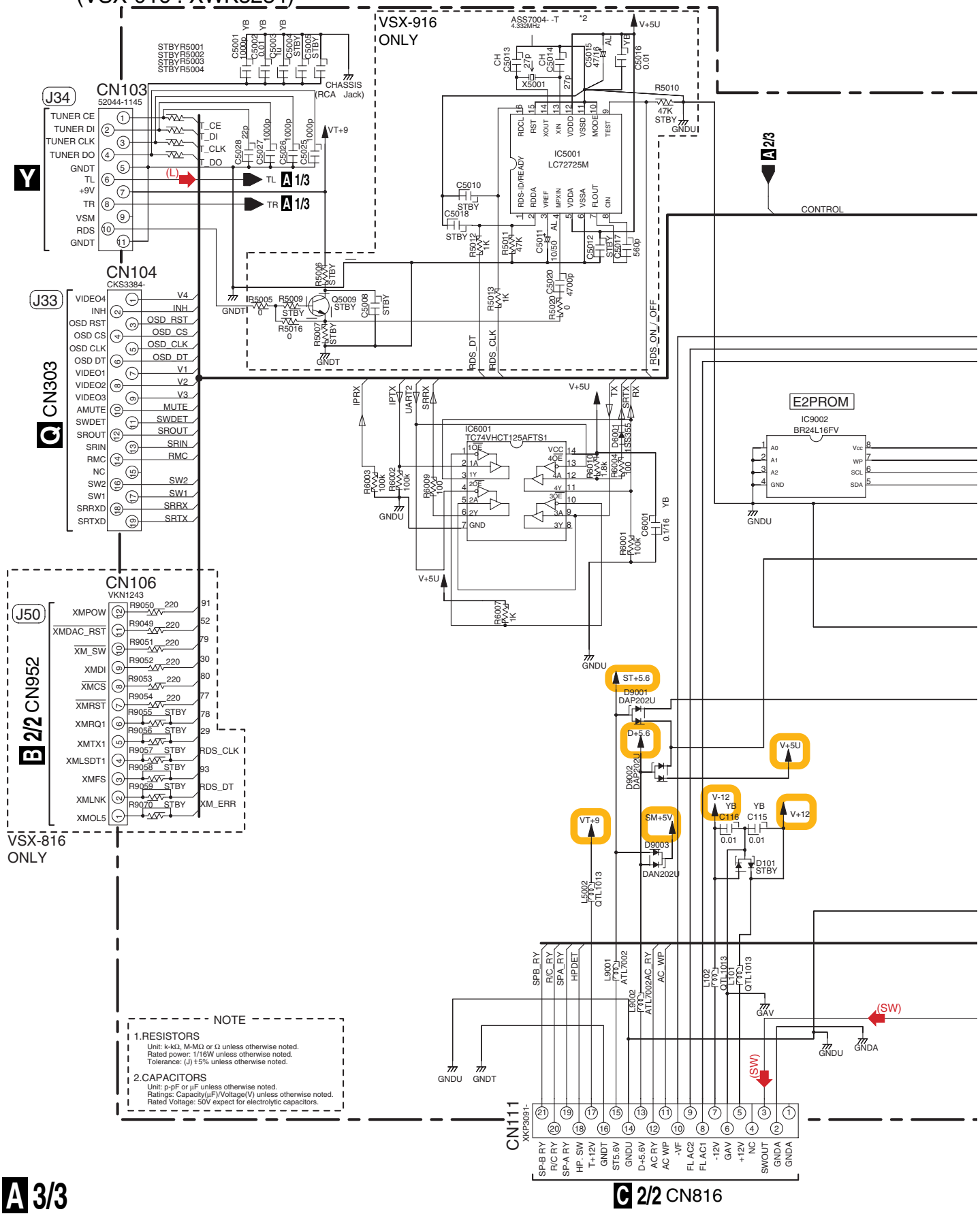
NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ± 5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
JA:CEJA

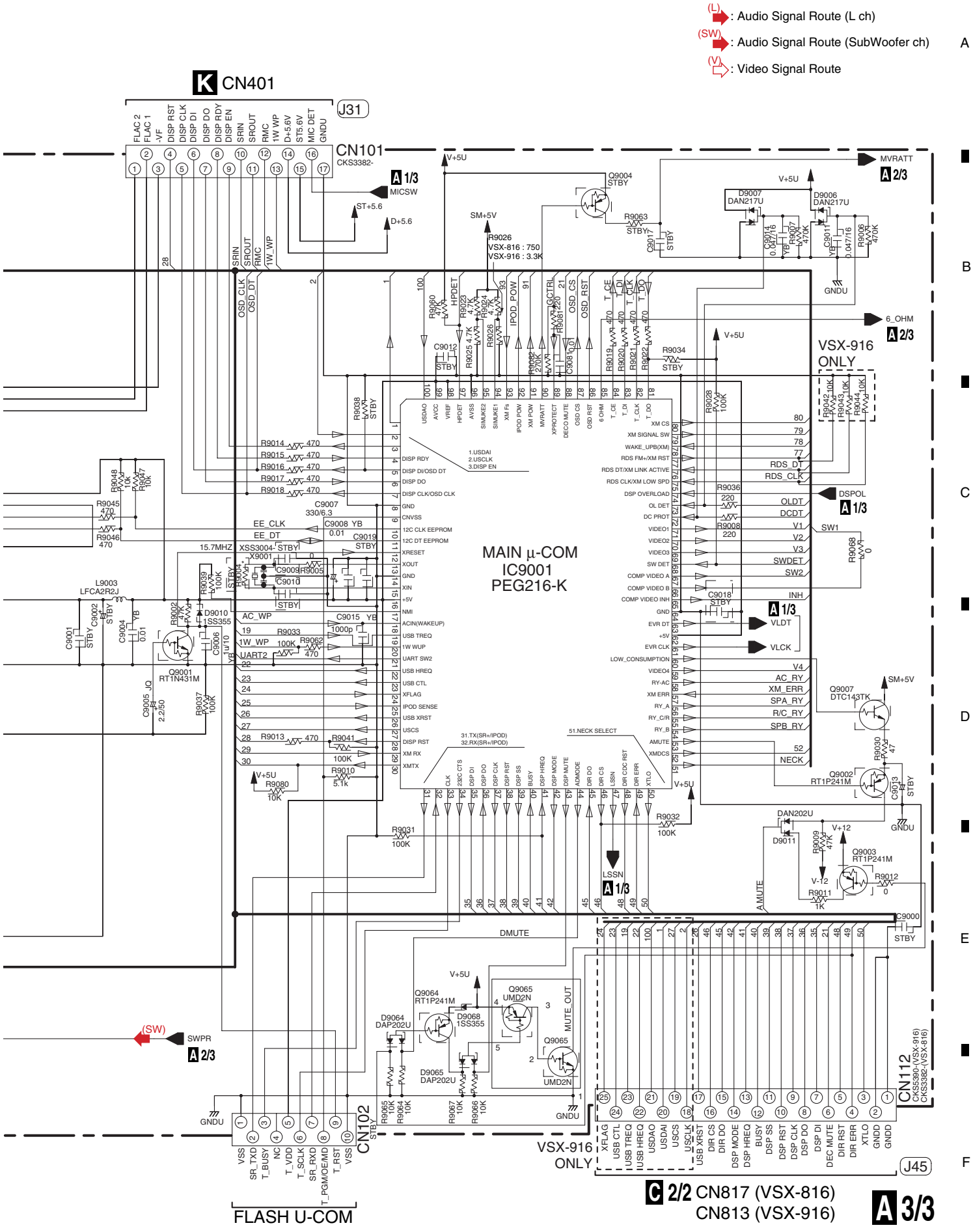
A 3/3
CONTROL
CN114
XKP3091-
C
GNDA
SBL
GNDA
SBR/SW
GNDA
SL
GNDA
FL
GNDA
SR
GNDA
FR
AMUTE
ATT
DCDT
XPROTECT
OLDT
6 OHM
NECK
GNDU
C 1/2
CN705
AMUTE
DCDT
XPROTECT
OLDT
NECK
A 3/3 6_OHM
C392 1000p YB GNDU
GNDU
C320 1000p YB GNDA GNDCH
CN252
B3B-EH
FAN+
FAN-
FAN STOP
FAN
J22
-12V
GNDU
+12V
O 891
CN251
52147-0310
R446 100k
R444 STBY
R445 22k
Q253 RT1N241M
Q257 2SA1576A (QR)
R449 1K
C255 NP 4.7/25
R448 100K
D254 UDZS5R1(B)
C R433 100K
FL R431 100K
FR R432 100K
SBL R434 100K
SL R435 100K
SR R436 100K
SBR R427 100K
Q251 STBY
R437 STBY
R440 750K
R438 100K
IC253 (1/2) HA17558AF
D251 DAN217U
R439 100K
R441 2.2K
C253 0.01 CKPU
R442 100K
C254 100/25
C256 0.01 CKPU
IC251 (2/2) HA17558AF
Q255
VSX-816 : RT1N241M
VSX-916 : U2SC4081 QR)
Q252 2SD1858X (QR)
RT1P241M
Q255
Q254
R443 470
R464
Q259 RT1P241M
2SC4081 (QR)
Q260
R465 22K
R463 22K
R466 22K
2SD2704K
Q256
R447 4.7K
D253
D255 UDZS13(B)
R280
VSX-816 ONLY
VSX-916 ONLY
VSX-916 ONLY
VSX-916 ONLY
GNDU
D253
VSX-816 : UDZS27(B)
VSX-916 : UDZS13(B)
R464
VSX-816 : 0
VSX-916 : 22K
FAN CONTROL

A 2/3

3.5 MAIN ASSY (3/3)

A 3/3 MAIN ASSY
(VSX-816 : XWK3233)
(VSX-916 : XWK3234)

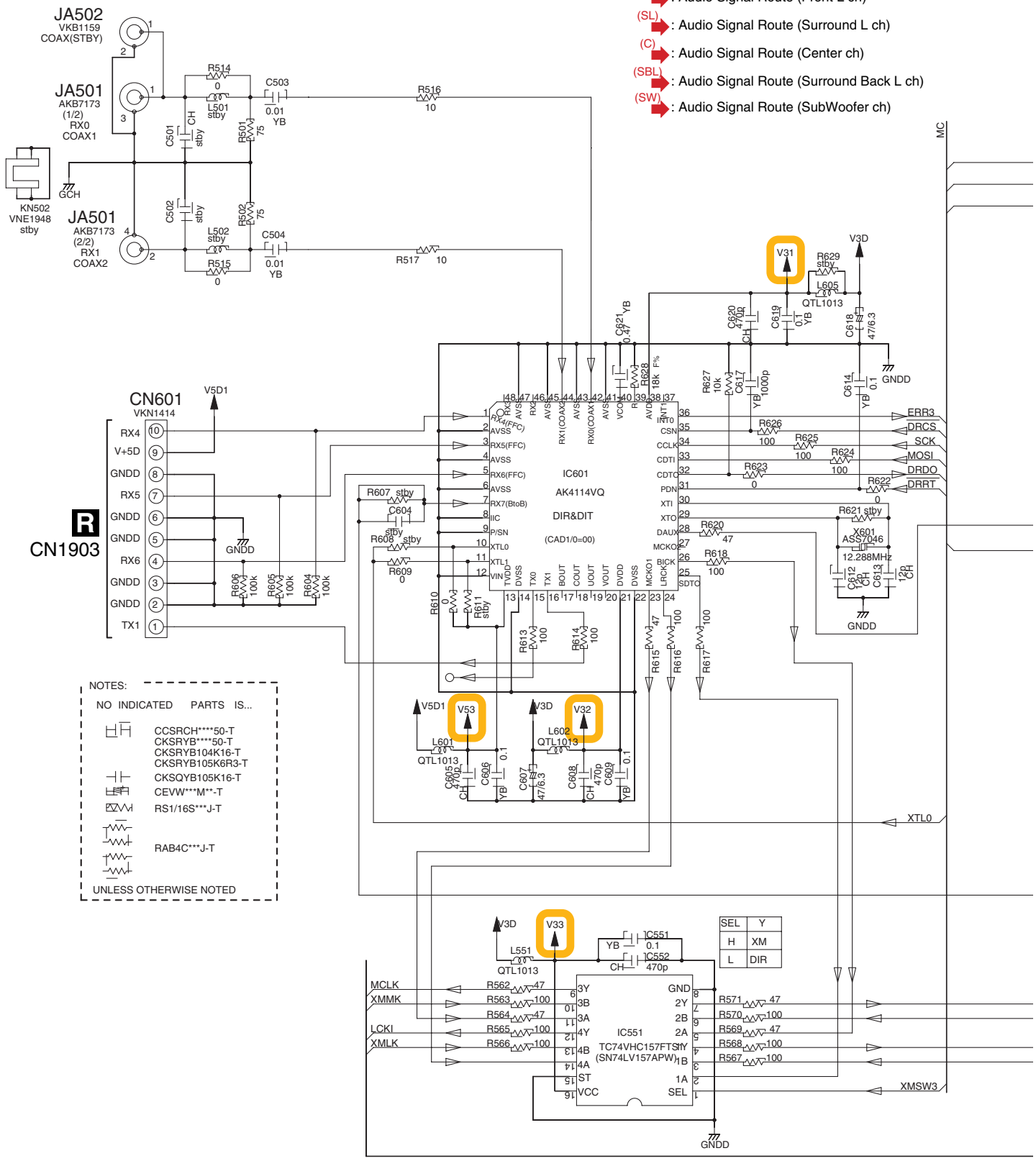



(L): Audio Signal Route (L ch)
(SW): Audio Signal Route (SubWoofer ch)
(V): Video Signal Route
K CN401
J31
CN101
CKS3382-
MICSW
ST+5.6
D+5.6
MAIN µ-COM
IC9001
PEG216-K
MVRATT
6_OHM
VSX-916
ONLY
DSPOL
VLDT
VLCK
INH
SW1
SW2
RDS_DT
RDS_CLK
OLDT
DCDT
V1
V2
V3
SWDET
NECK
SPA_RY
R/C_RY
SPB_RY
XM_ERR
AC_RY
V4
SM+5V
V+5U
V+12
V-12
GNDU
DMUTE
LSSN
SWPR
MUTE_OUT
CN102
FLASH U-COM
CN112
CKS5390-(VSX-916)
CKS3382-(VSX-816)
J45
C 2/2 CN817 (VSX-816)
CN813 (VSX-916)
A 3/3
VSX-816-K
21

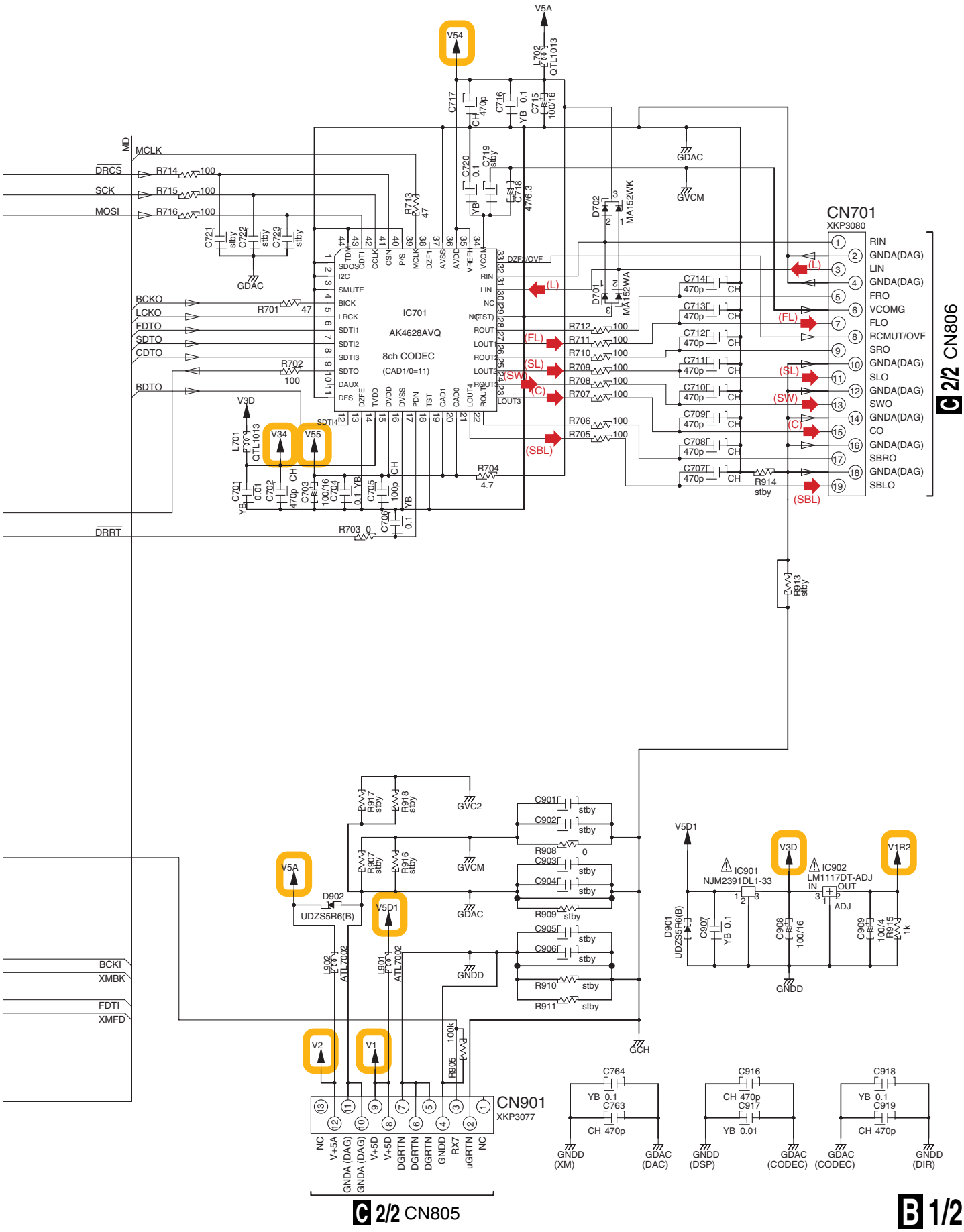
3.6 DSP ASSY (1/2) (for VSX-816)

B 1/2 DSP ASSY (AWX8699)

(L) : Audio Signal Route (L ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

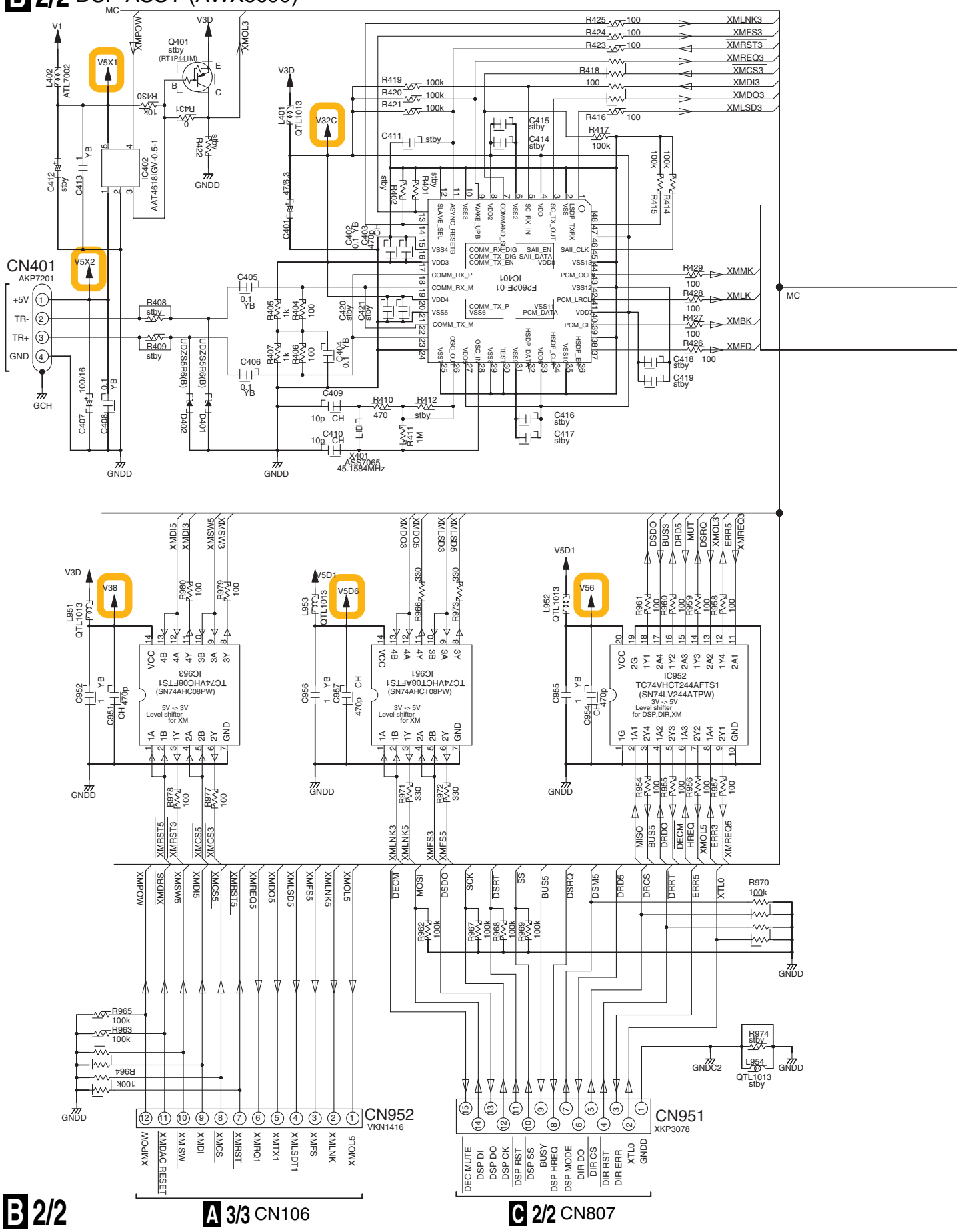


B 1/2


IC701
AK4628AVQ
8ch CODEC
(CAD1/0=11)
CN701
XKP3080
CN901
XKP3077
C 2/2 CN806
C 2/2 CN805
B 1/2
IC901
NJM2391DL1-33
IC902
LM1117DT-ADJ
MCLK
DRCS
SCK
MOSI
BCKO
LCKO
FDTO
SDTO
CDTO
BDTO
DRRT
BCKI
XMBK
FDTI
XMFD
V5A
V3D
V5D1
V1R2
GDAC
GVCM
GVC2
GCH
GNDD
RIN
LIN
FRO
VCOMG
FLO
RCMUT/OVF
SRO
SLO
SWO
CO
SBRO
SBLO
GNDA(DAG)
(L)
(FL)
(SL)
(SW)
(C)
(SBL)
NC
V+5A
GNDA (DAG)
V+5D
DGRTN
GND
RX7
uGRTN
GNDD (XM)
GDAC (DAC)
GNDD (DSP)
GDAC (CODEC)
GDAC (CODEC)
GNDD (DIR)

3.7 DSP ASSY (2/2) (for VSX-816)

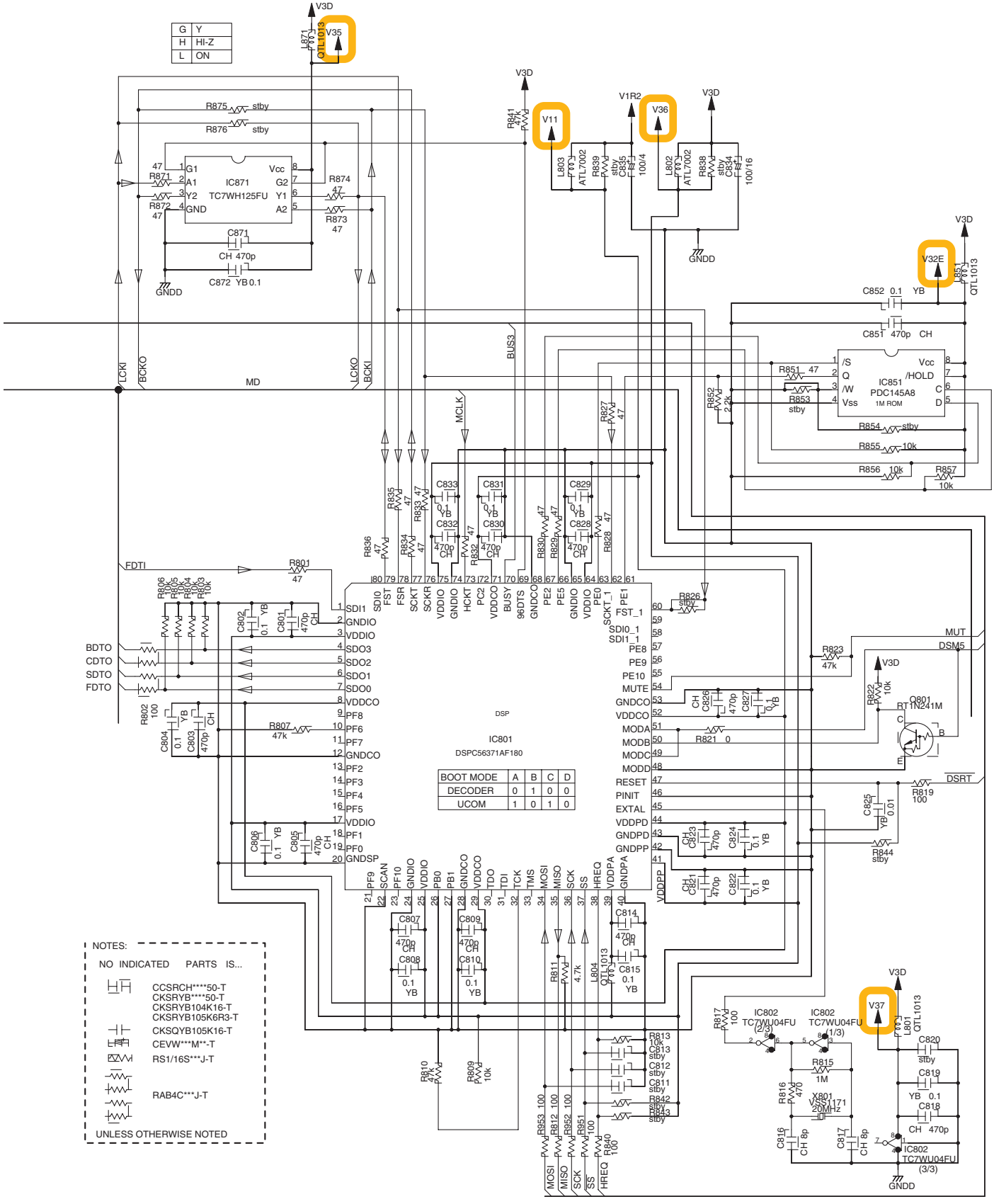
B 2/2 DSP ASSY (AWX8699)



B 2/2

A 3/3 CN106

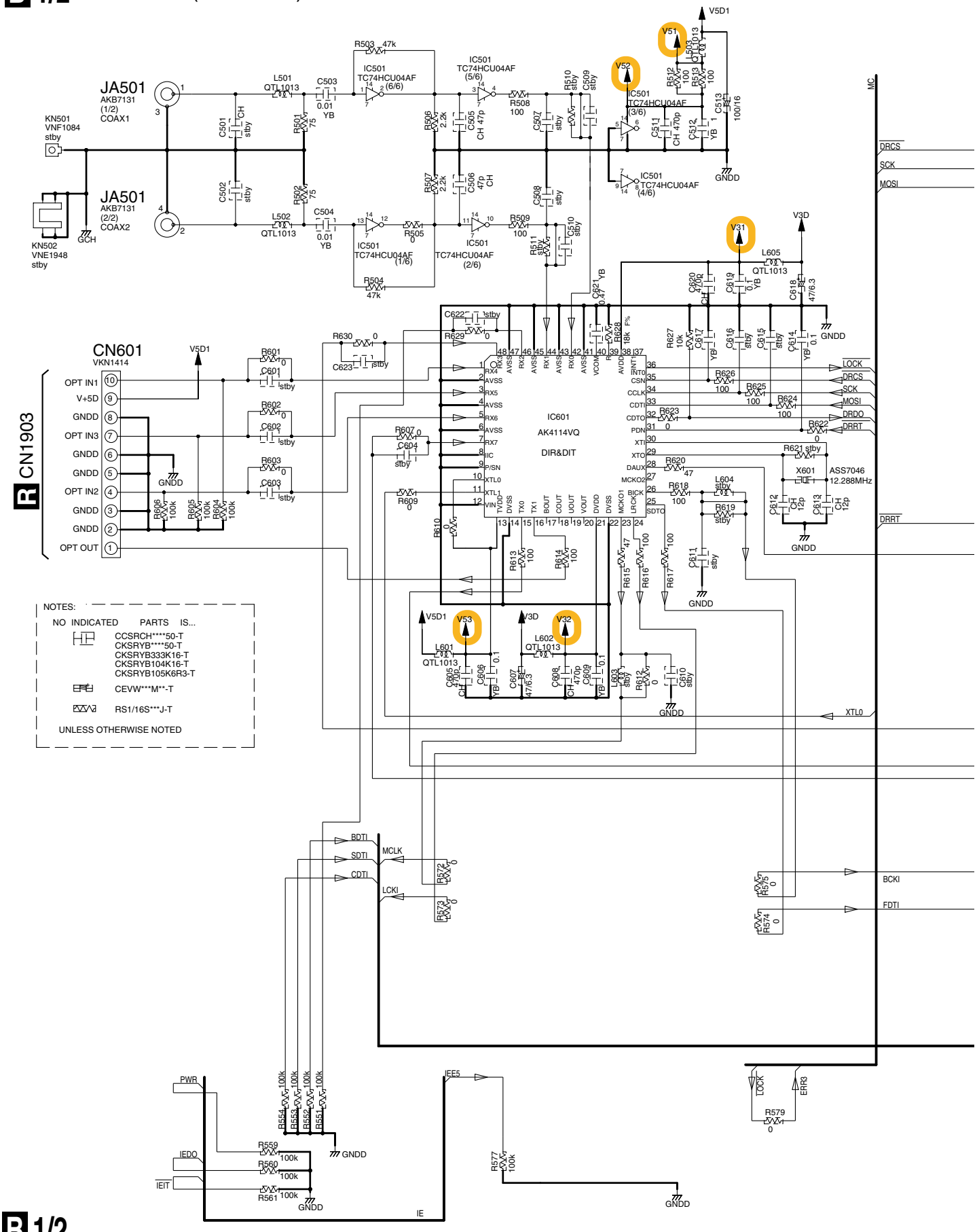
C 2/2 CN807


G Y
H HI-Z
L ON
IC871 TC7WH125FU
IC851 PDC145A8 1M ROM
IC801 DSPC56371AF180
DSP
BOOT MODE A B C D
DECODER 0 1 0 0
UCOM 1 0 1 0
NOTES:
NO INDICATED PARTS IS...
CCSRCH****50-T
CKSRYB****50-T
CKSRYB104K16-T
CKSRYB105K6R3-T
CKSQYB105K16-T
CEVW***M**-T
RS1/16S***J-T
RAB4C***J-T
UNLESS OTHERWISE NOTED
V3D
V1R2
GNDD
LCKI
BCKO
MD
LCKO
BCKI
BUS3
MCLK
FDTI
BDTO
CDTO
SDTO
FDTO
MUT
DSM5
DSRT
MOSI
MISO
SCK
SS
HREQ

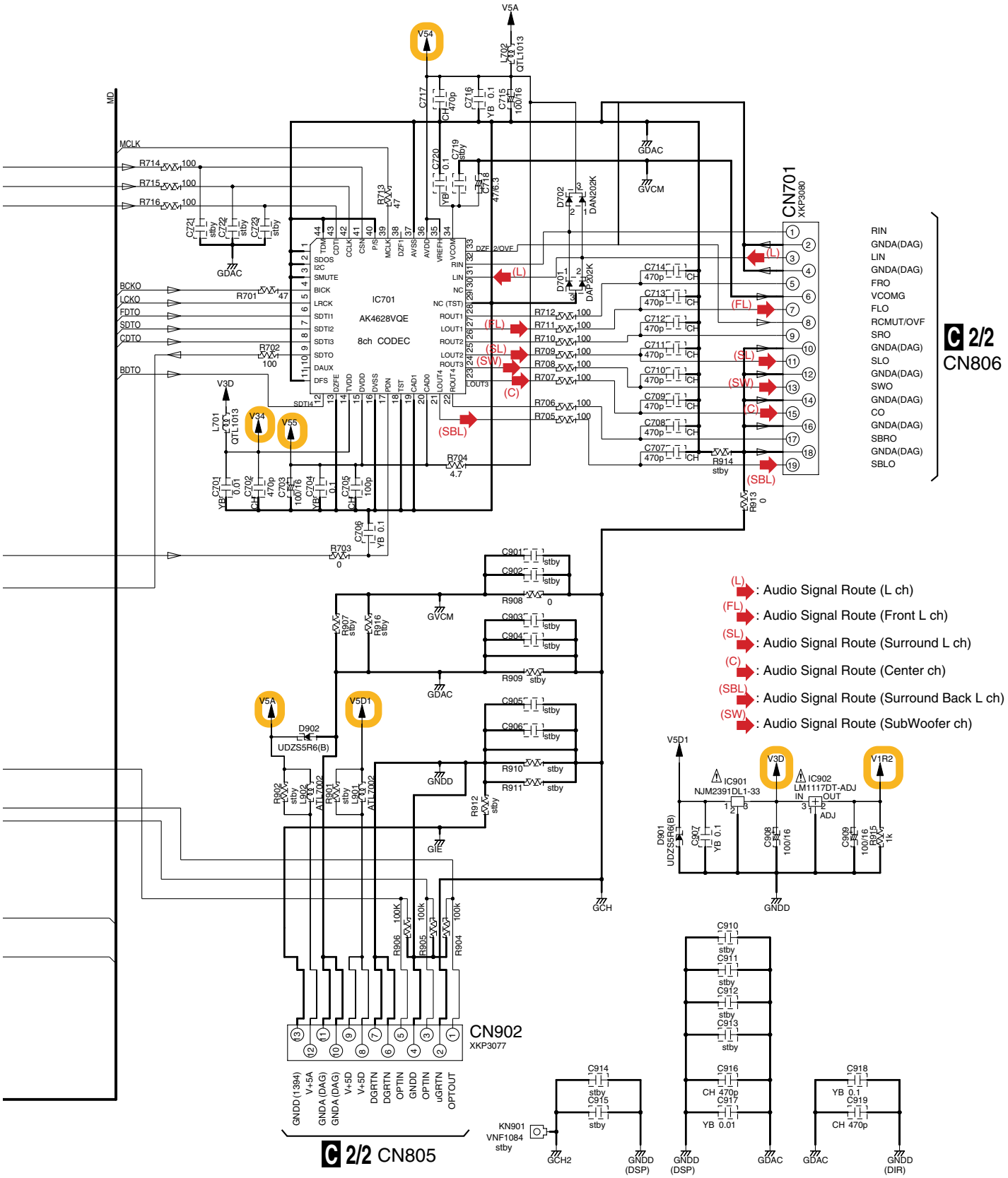
B 2/2

3.8 DSP ASSY (1/2) (for VSX-916)

B 1/2 DSP ASSY (AWX8572)

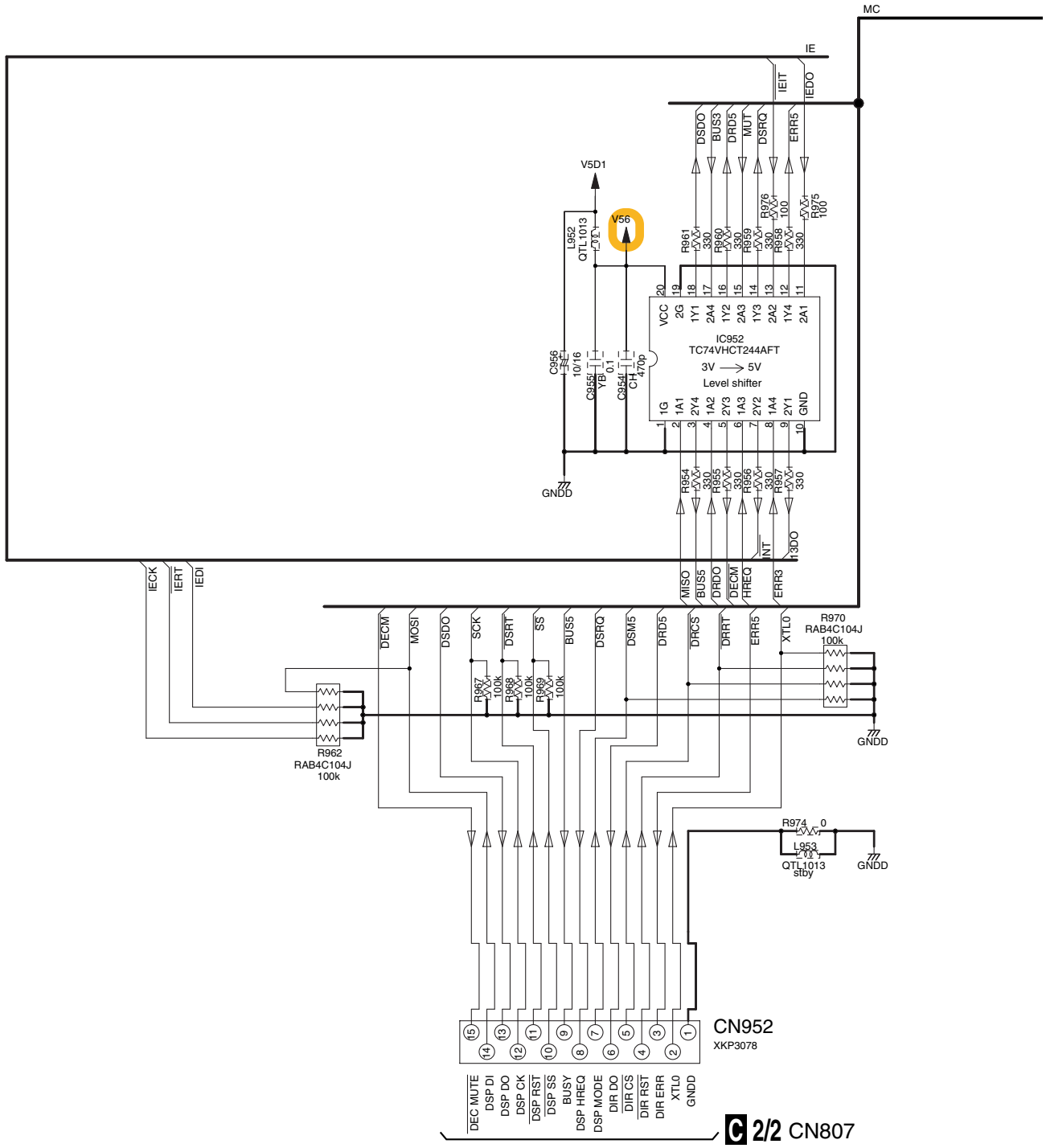


B 1/2


IC701
AK4628VQE
8ch CODEC
CN701
XKP3080
CN806
CN902
XKP3077
CN805
(L): Audio Signal Route (L ch)
(FL): Audio Signal Route (Front L ch)
(SL): Audio Signal Route (Surround L ch)
(C): Audio Signal Route (Center ch)
(SBL): Audio Signal Route (Surround Back L ch)
(SW): Audio Signal Route (SubWoofer ch)
IC901
NJM2391DL1-33
IC902
LM1117DT-ADJ

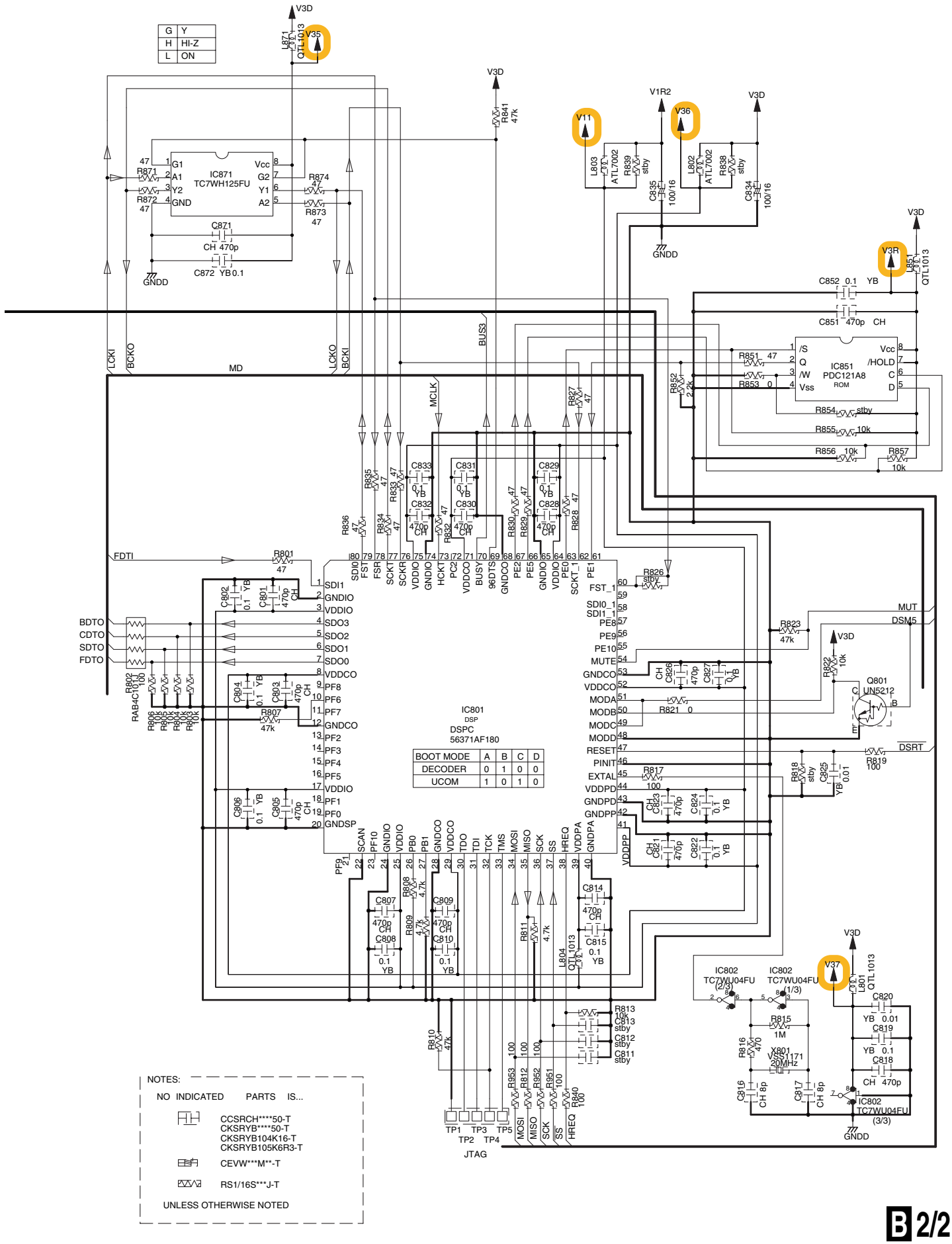
3.9 DSP ASSY (2/2) (for VSX-916)

B 2/2 DSP ASSY (AWX8572)



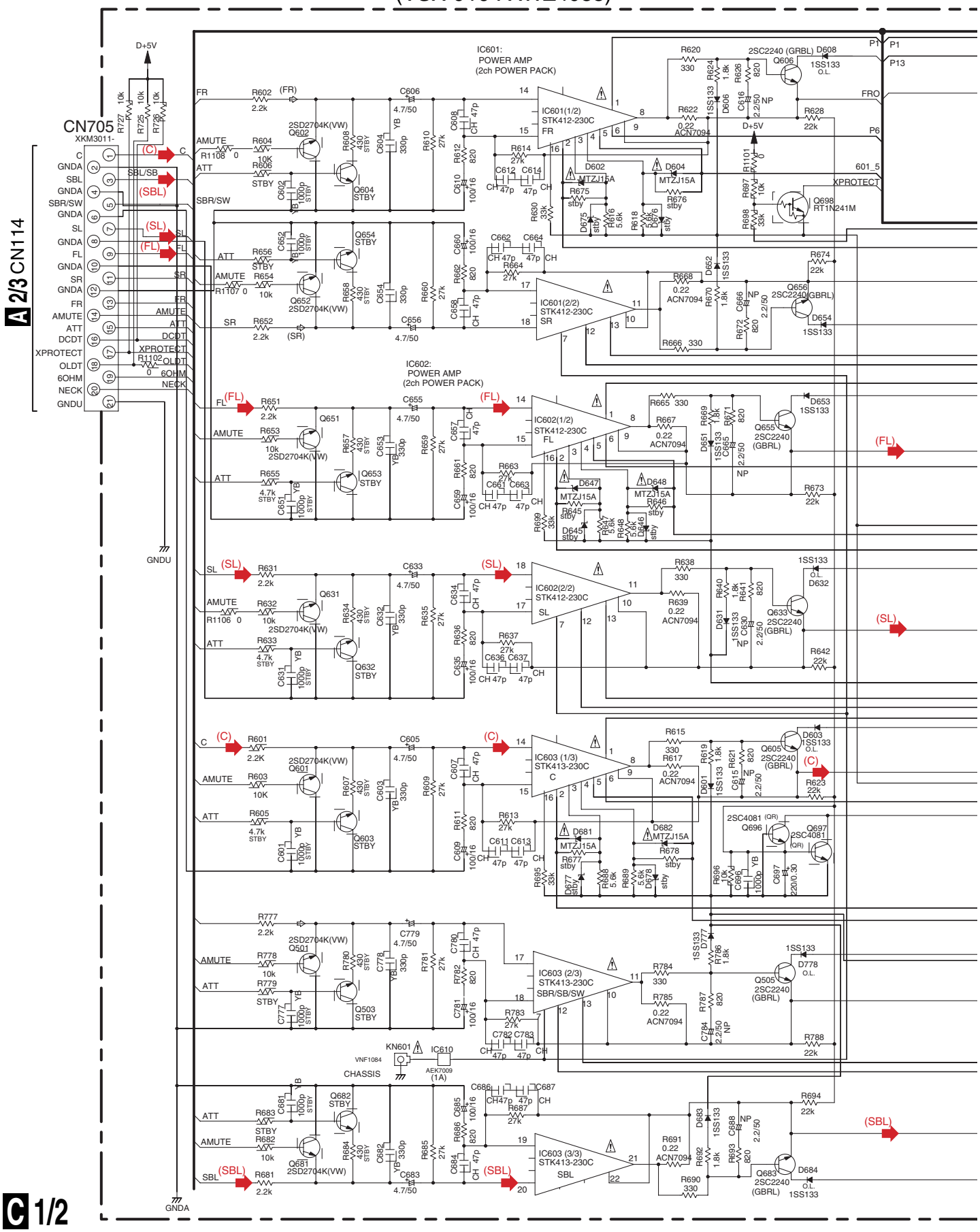
B 2/2

C 2/2 CN807

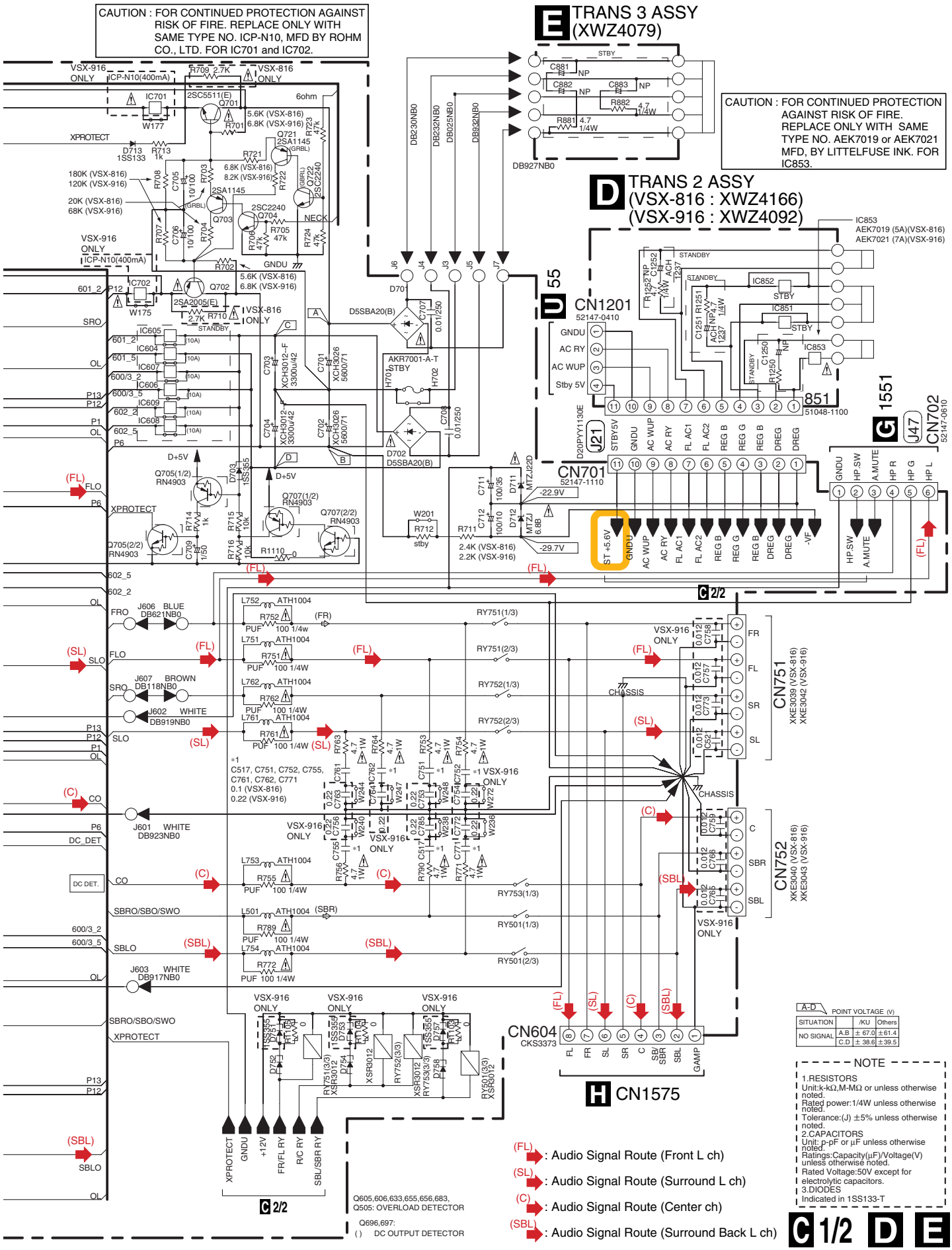

G Y
H HI-Z
L ON
IC871 TC7WH125FU
IC851 PDC121A8 ROM
IC801 DSP DSPC 56371AF180
BOOT MODE A B C D
DECODER 0 1 0 0
UCOM 1 0 1 0
IC802 TC7WU04FU (1/3)
IC802 TC7WU04FU (2/3)
IC802 TC7WU04FU (3/3)
X801 VSS1171 20MHz
JTAG
NOTES:
NO INDICATED PARTS IS...
CCSRCH****50-T
CKSRYB****50-T
CKSRYB104K16-T
CKSRYB105K6R3-T
CEVW***M**-T
RS1/16S***J-T
UNLESS OTHERWISE NOTED

B 2/2

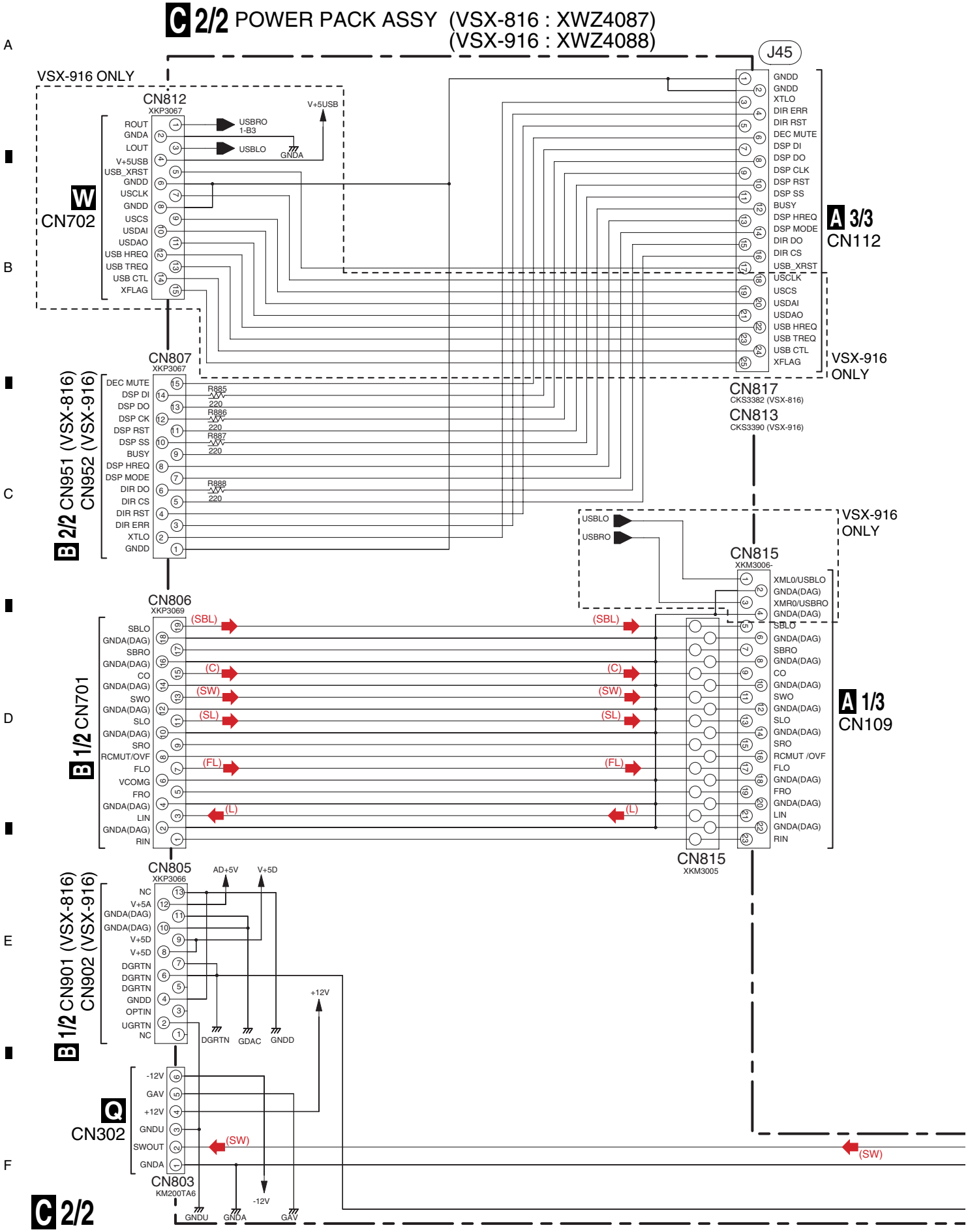
C 1/2 POWER PACK ASSY (VSX-816 : XWZ4087)
(VSX-916 : XWZ4088)



C 1/2


CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. ICP-N10, MFD BY ROHM CO., LTD. FOR IC701 and IC702.
E TRANS 3 ASSY (XWZ4079)
CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. AEK7019 or AEK7021 MFD, BY LITTELFUSE INK. FOR IC853.
D TRANS 2 ASSY (VSX-816 : XWZ4166) (VSX-916 : XWZ4092)
CN1201 52147-0410
CN701 52147-1110
CN702 52147-0610
CN751 XKE3039 (VSX-816) XKE3042 (VSX-916)
CN752 XKE3040 (VSX-816) XKE3043 (VSX-916)
CN604 CKS3373
H CN1575
C 1/2
C 2/2
D
E
G
J
U
(FL): Audio Signal Route (Front L ch)
(SL): Audio Signal Route (Surround L ch)
(C): Audio Signal Route (Center ch)
(SBL): Audio Signal Route (Surround Back L ch)
Q605,606,633,655,656,683, Q505: OVERLOAD DETECTOR
Q696,697: ( ) DC OUTPUT DETECTOR
NOTE
1.RESISTORS
Unit:k-kΩ,M-MΩ or unless otherwise noted.
Rated power:1/4W unless otherwise noted.
Tolerance:(J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings:Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage:50V except for electrolytic capacitors.
3.DIODES
Indicated in 1SS133-T
A-D POINT VOLTAGE (V)
SITUATION /KU Others
NO SIGNAL A,B ± 67.0 ±61.4
C,D ± 38.6 ±39.5

3.11 POWER PACK ASSY (2/2)

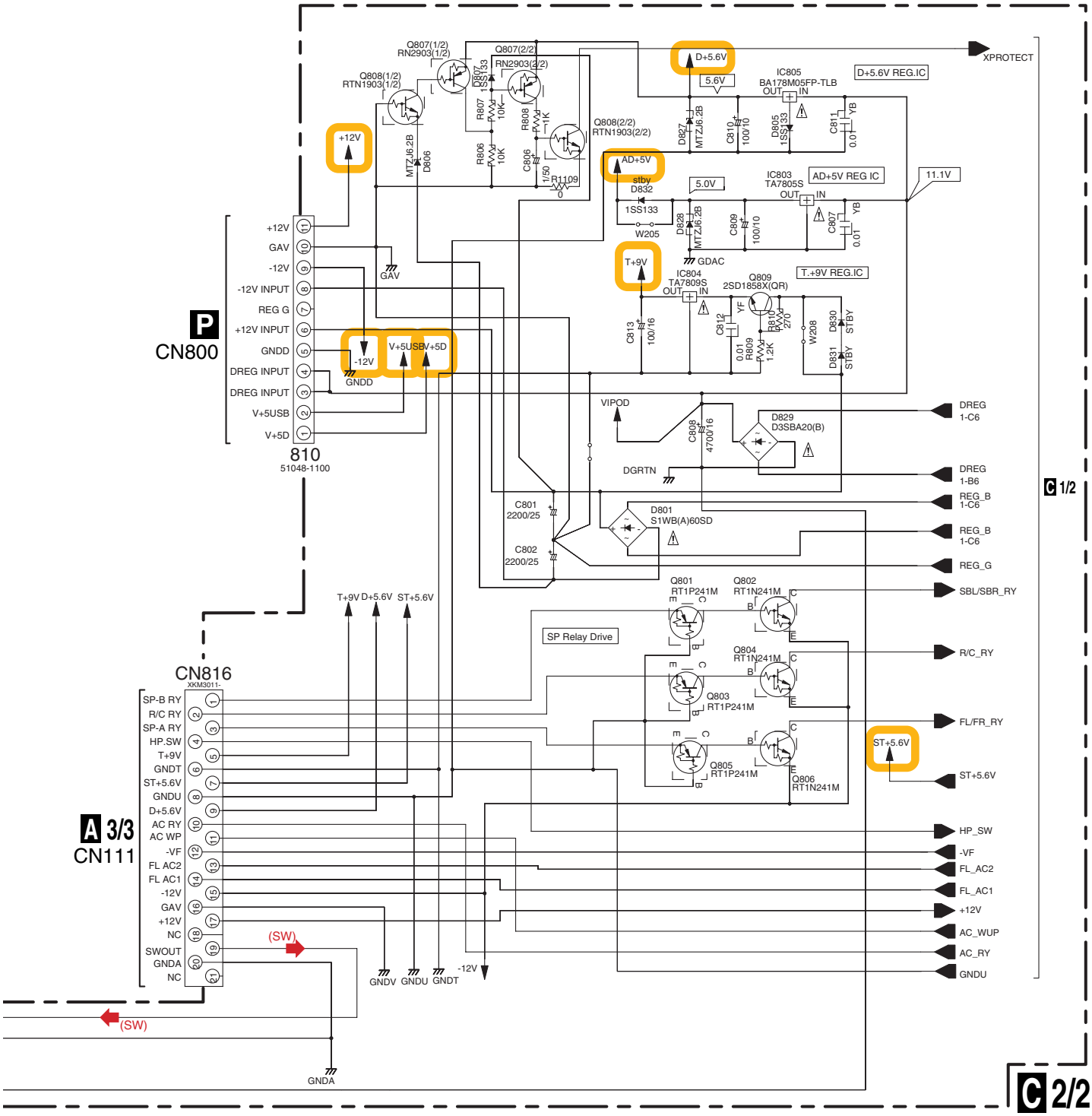


(L) : Audio Signal Route (L ch)
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

NOTE

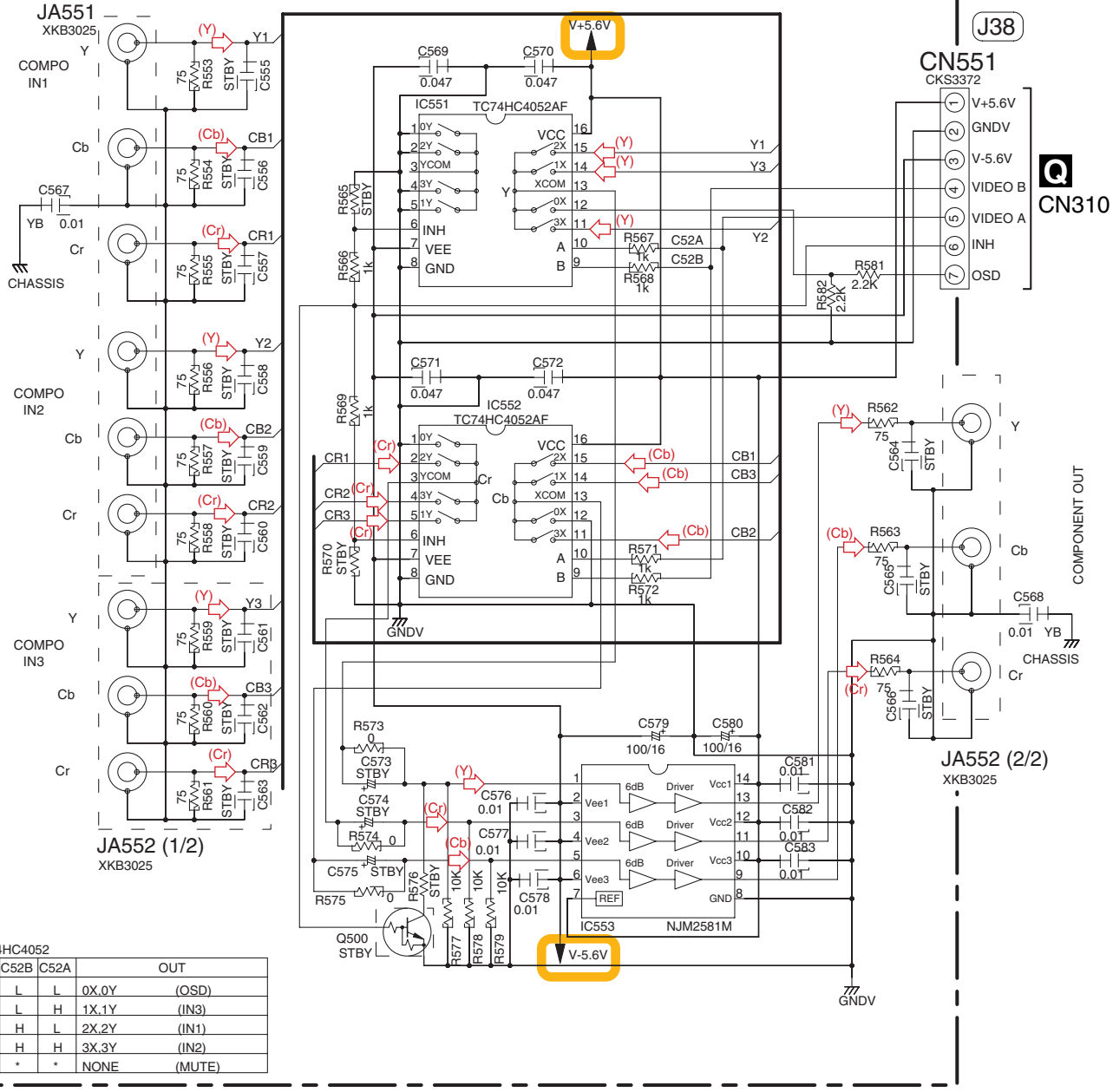
1.RESISTORS
Unit:k-kΩ,M-MΩ or unless otherwise noted.
Rated power:1/4W unless otherwise noted.
Tolerance:(J) ± 5% unless otherwise noted.

2.CAPACITORS
Umit: p-pF or μF unless otherwise noted.
Ratings:Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage:50V except for electrolytic capacitors.



F COMPONENT ASSY (XWZ4097)

(Y): Video Signal Route (Component Y ch)
(Cb): Video Signal Route (Component Cb ch)
(Cr): Video Signal Route (Component Cr ch)



TC74HC4052

INH	C52B	C52A	OUT	
L	L	L	0X,0Y	(OSD)
L	L	H	1X,1Y	(IN3)
L	H	L	2X,2Y	(IN1)
L	H	H	3X,3Y	(IN2)
H	*	*	NONE	(MUTE)

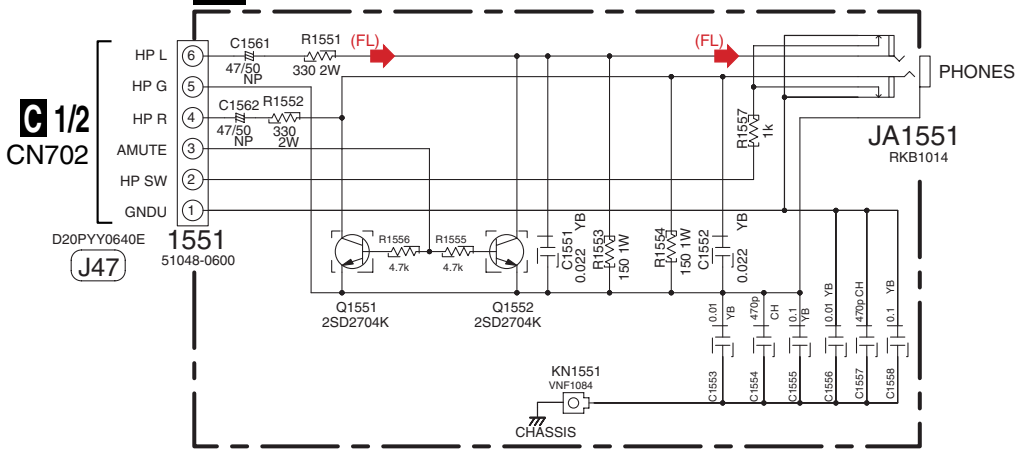
NOTE

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2.CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

3.13 HEADPHONE, PRE-OUT and 5.1CHIN ASSYS

G HEADPHONE ASSY (XWZ4095)



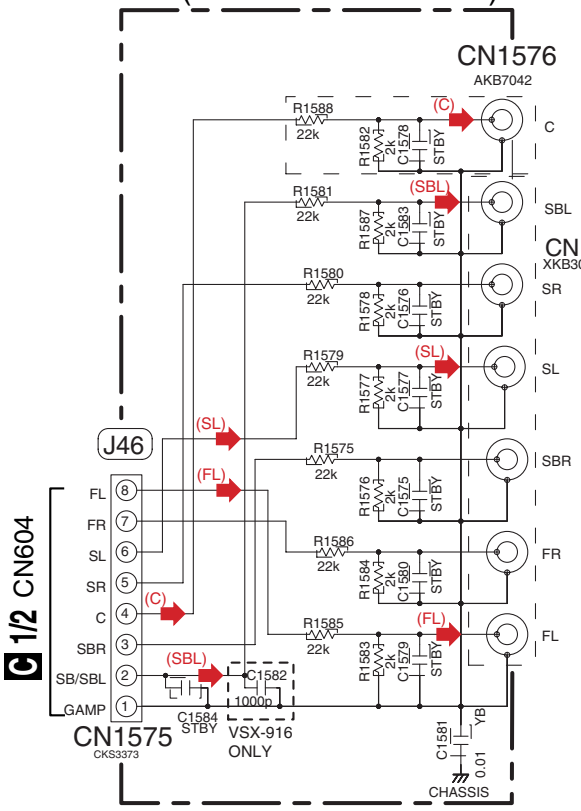
(FL) : Audio Signal Route (Front L ch)
(SL) : Audio Signal Route (Surround L ch)
(C) : Audio Signal Route (Center ch)
(SBL) : Audio Signal Route (Surround Back L ch)
(SW) : Audio Signal Route (SubWoofer ch)

NOTE

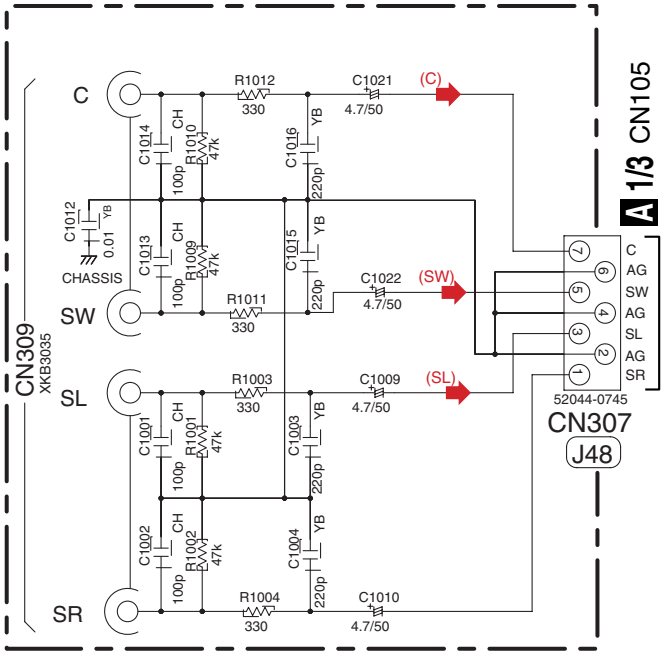
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J)±5% unless otherwise noted.

2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

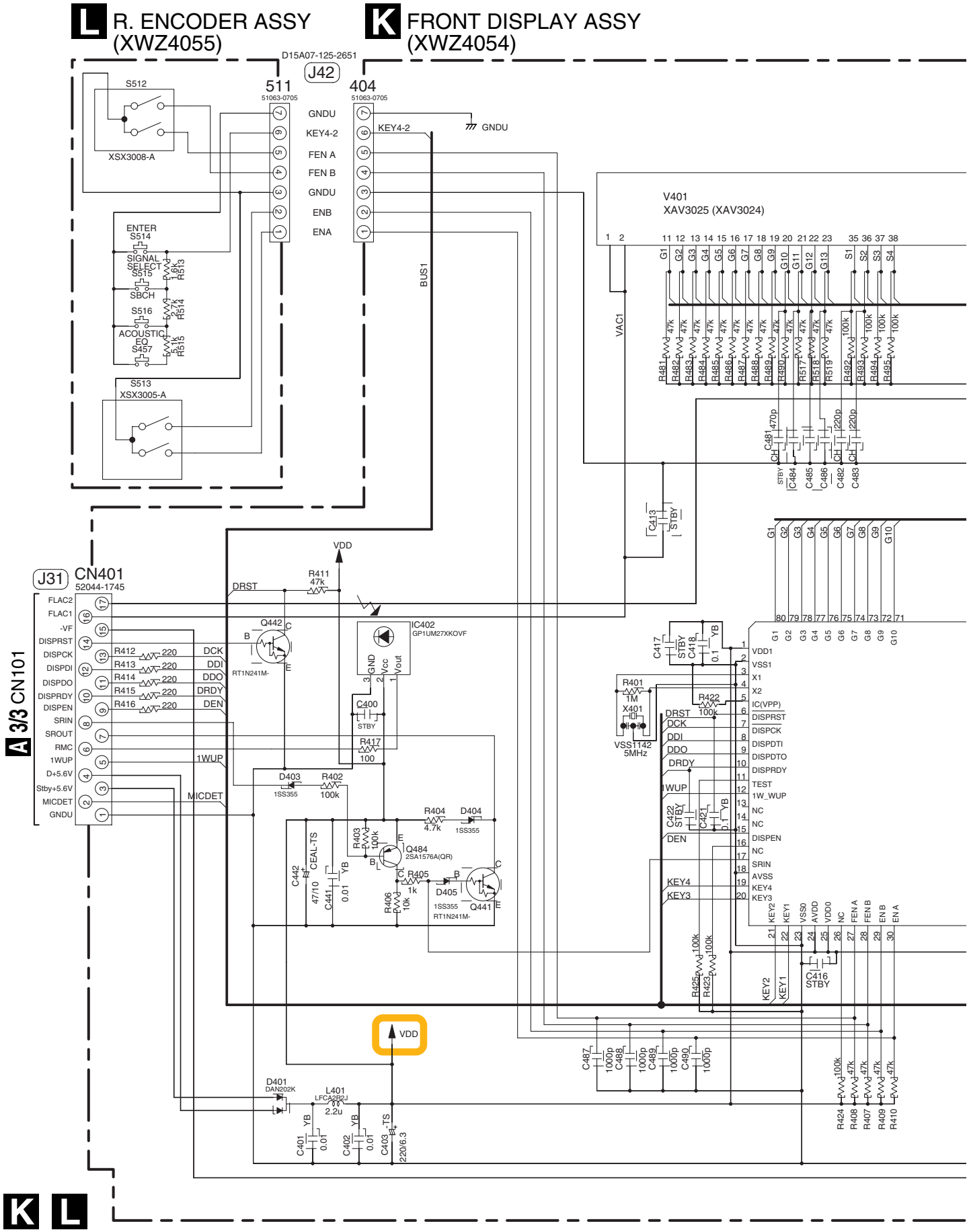
H PRE-OUT ASSY (VSX-816 : XWZ4098) (VSX-916 : XWZ4200)

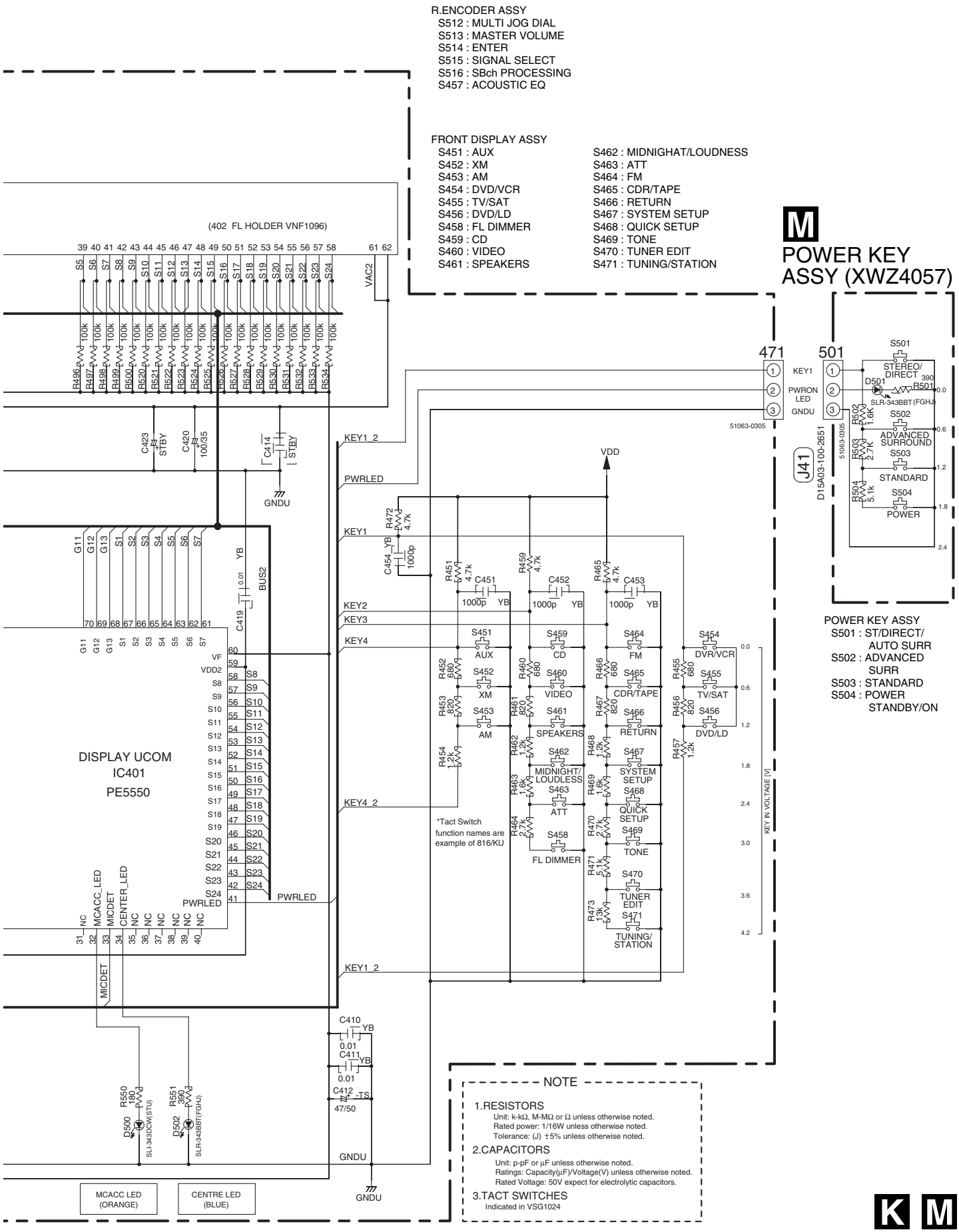


I 5.1CHIN ASSY (XWZ4069)



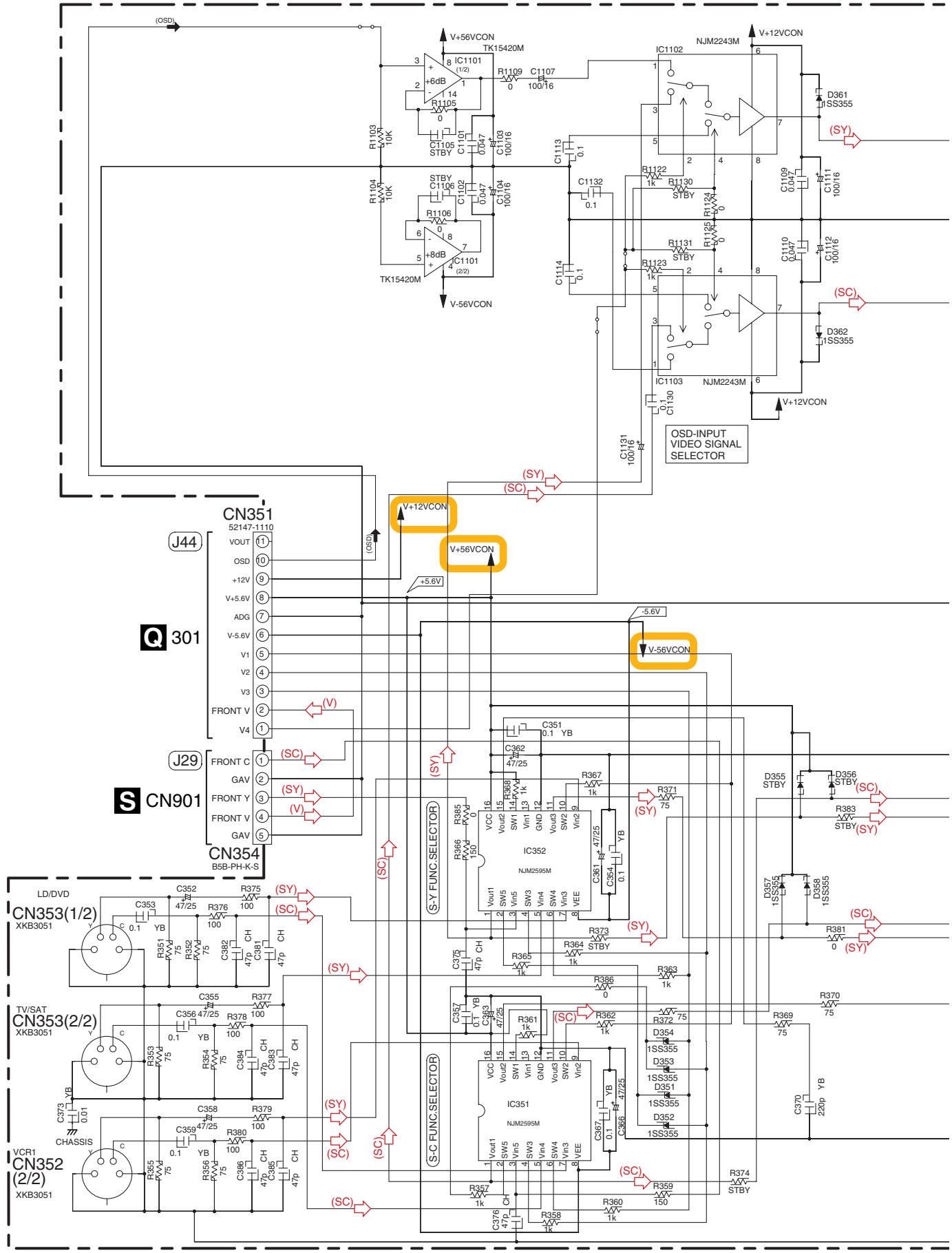
3.14 FRONT DISPLAY, R. ENCODER and POWER KEY ASSYS




R.ENCODER ASSY
S512 : MULTI JOG DIAL
S513 : MASTER VOLUME
S514 : ENTER
S515 : SIGNAL SELECT
S516 : SBch PROCESSING
S457 : ACOUSTIC EQ
FRONT DISPLAY ASSY
S451 : AUX
S452 : XM
S453 : AM
S454 : DVD/VCR
S455 : TV/SAT
S456 : DVD/LD
S458 : FL DIMMER
S459 : CD
S460 : VIDEO
S461 : SPEAKERS
S462 : MIDNIGHAT/LOUDNESS
S463 : ATT
S464 : FM
S465 : CDR/TAPE
S466 : RETURN
S467 : SYSTEM SETUP
S468 : QUICK SETUP
S469 : TONE
S470 : TUNER EDIT
S471 : TUNING/STATION
(402 FL HOLDER VNF1096)
DISPLAY UCOM
IC401
PE5550
*Tact Switch function names are example of 816/KU
M
POWER KEY ASSY (XWZ4057)
471
501
J41
D15A03-100-2651
51063-0305
51063-0305
KEY1
PWRON LED
GNDU
S501
STEREO/ DIRECT
S502
ADVANCED SURROUND
S503
STANDARD
S504
POWER
SLR-343BBT (FGHJ)
POWER KEY ASSY
S501 : ST/DIRECT/ AUTO SURR
S502 : ADVANCED SURR
S503 : STANDARD
S504 : POWER STANDBY/ON
KEY IN VOLTAGE [V]
VDD
KEY1_2
PWRLED
KEY1
KEY2
KEY3
KEY4
KEY4_2
MICDET
MCACC_LED
CENTER_LED
BUS2
SLI-343DCW(STU)
SLR-343BBT(FGHJ)
MCACC LED (ORANGE)
CENTRE LED (BLUE)
NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
3.TACT SWITCHES
Indicated in VSG1024

3.15 S. VIDEO, TRANS 4 and REGULATOR ASSYS

N S. VIDEO ASSY (XWZ4065)



NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or µF unless otherwise noted.
Ratings: Capacity(µF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

(V): Video Signal Route
(SY): S-Video Signal Route (Y ch)
(SC): S-Video Signal Route (C ch)

A 2/3 CN251

J22 891 51048-0300
-12V GNDu +12V
C892 470/35
C891 470/35
S1WB(A)60SD
D891
C893 STBY
STBY
R891
IC891 AEK7008 (0.8A)
IC892 AEK7008 (0.8A)

O TRANS 4 ASSY (XWZ4093)

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. AEK7008 MFD, BY LITTELFUSE INK. FOR IC891 and IC892.

P REGULATOR ASSY
(VSX-816 : XWZ4129)
(VSX-916 : XWZ4116)

J43
CN800 52147-1110
V+5USB
V+5D
DREG INPUT
DREG INPUT
GNDD
+12V INPUT
REG G
-12V INPUT
-12V
GAV
+12V
VSX-916 ONLY W378
VSX-816 ONLY W379
R802 220/2W IC807 TA7805S
IC807: V+5D REG.IC (VSX-816) V+5USB REG.IC (VSX-916)
5.0V
STBY R818 0
C817 0.01
R819 0
C816 100/10
D813 MTZJ6.2B
GNDD
IC803 TA7805S
IC803: V+5D REG.IC
5.0V
C818 0.01
C819 100/10
D810 MTZJ6.2B
VSX-916 ONLY
GNDD
IC801: +12V REG.IC
IC802: -12V REG.IC
R801 330/3W IC801 TA7812S
18.5V
11.8V
C803 0.01
C805 100/16 CE,IQ
C804 0.01
C806 100/16
IC807
-18.7V
IC802 TA79012S
-11.9V

C 2/2 810

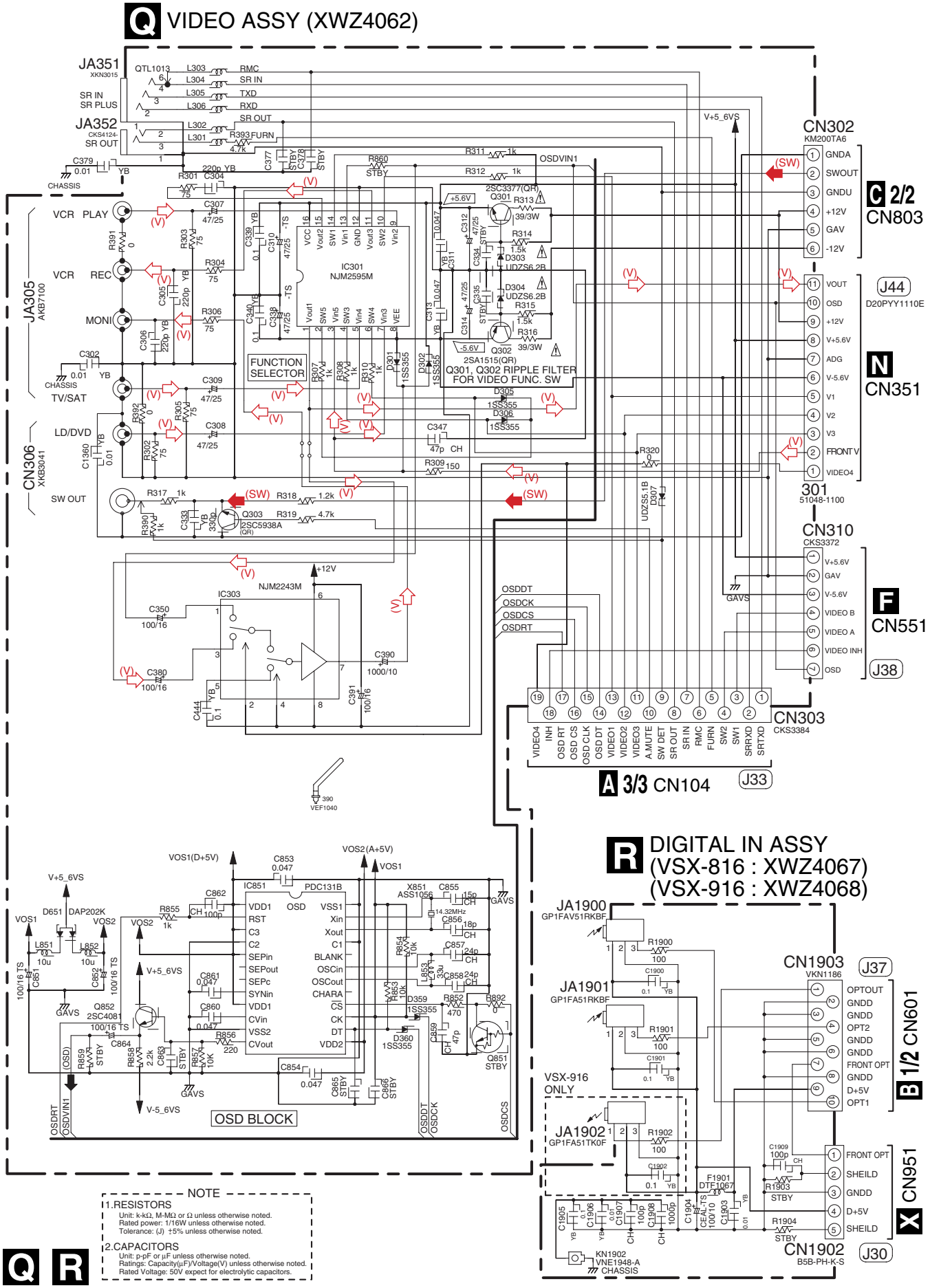
R1111 75 C1115 1000/10
R1113 10k C1117 180p CH
R1114 10k C1118 180p CH
R1112 75 C1116 0.1
GVCON

R384 STBY
STBY R350
STBY R349
CN355 AKP7179
MON OUT
C365 STBY
C364 STBY

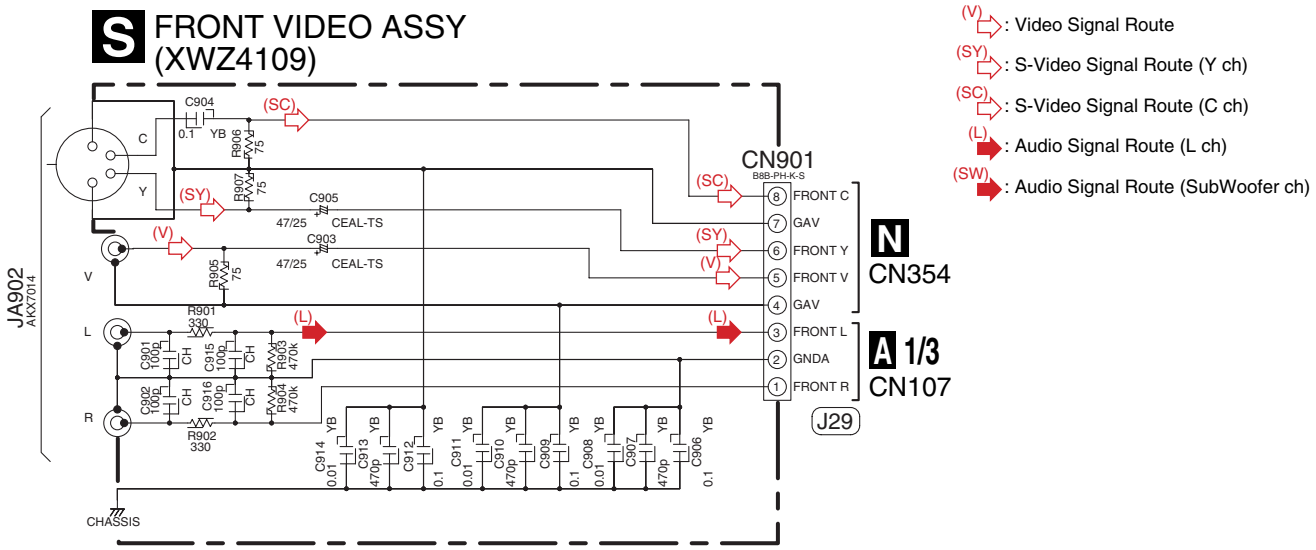
R382 0
CN352(1/2) XKB3051
VCR OUT
C369 YB 220p
C368 YB 220p
C372 YB 0.01
CHASSIS
C371 YB 220p

N O P

3.16 VIDEO, DIGITAL IN, FRONT VIDEO, PRIMARY and TRANS 1 ASSYS



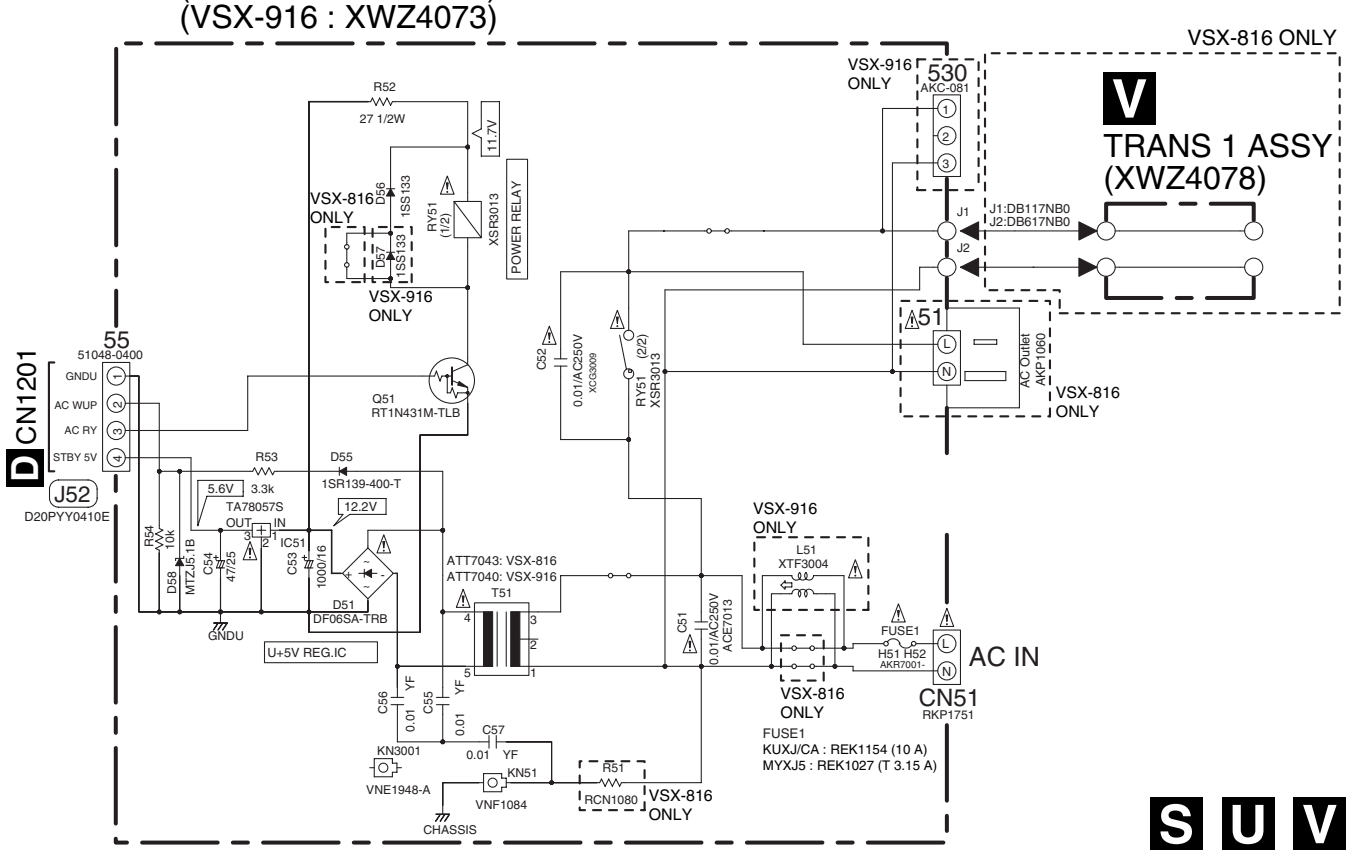
S FRONT VIDEO ASSY (XWZ4109)



• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE WITH SAME TYPE AND RATINGS ONLY.

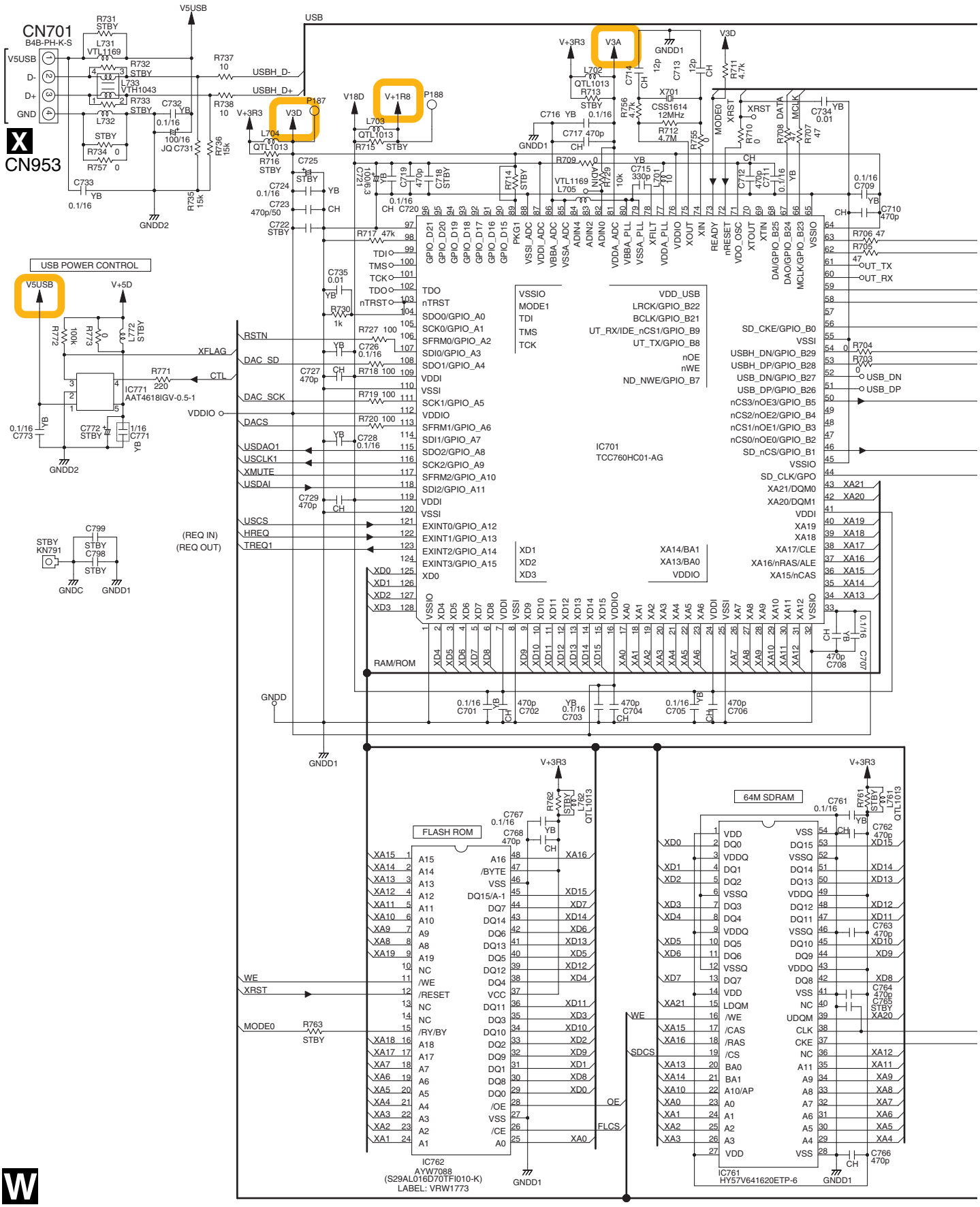
U PRIMARY ASSY (VSX-816 : XWZ4072) (VSX-916 : XWZ4073)

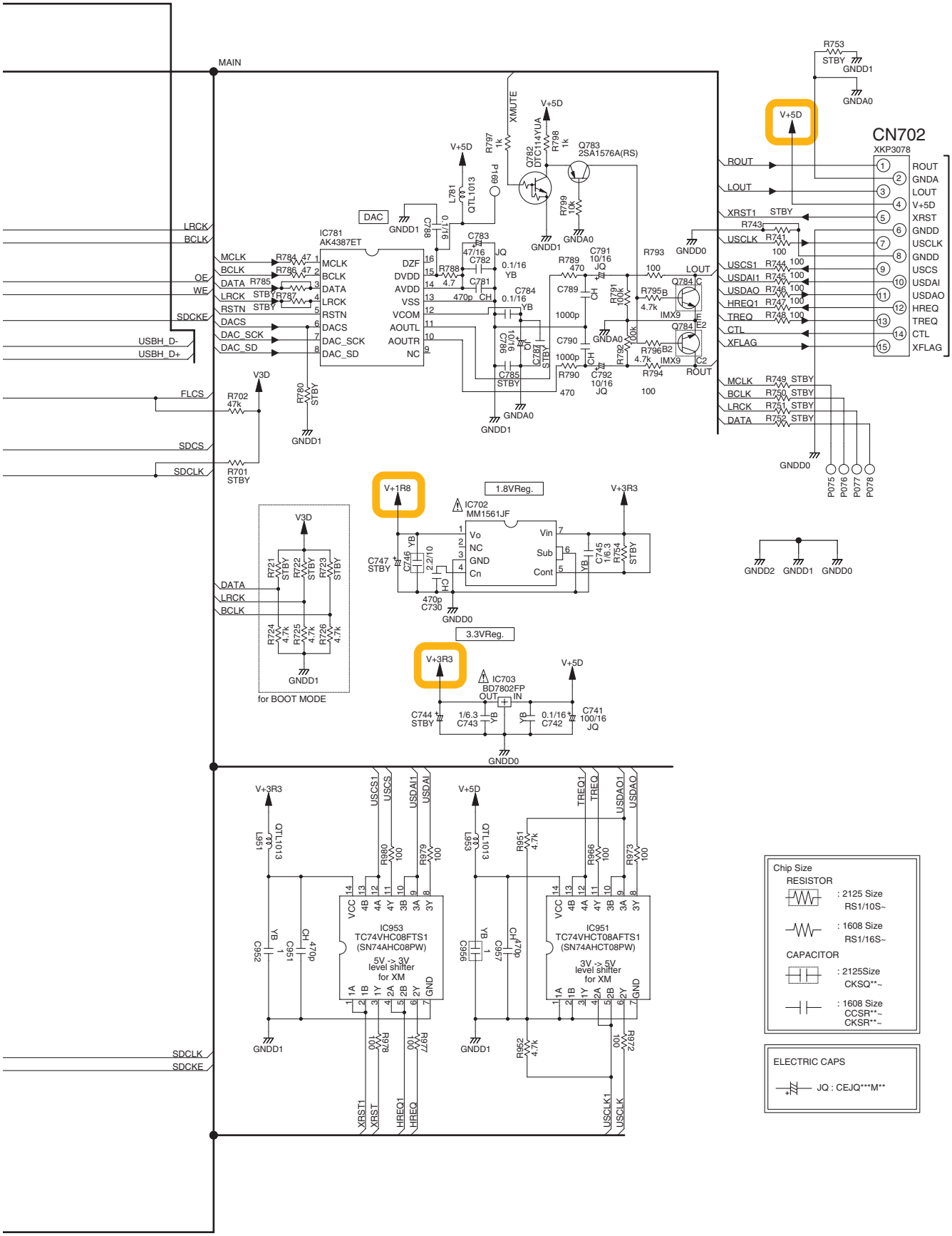


S U V

3.17 USB ASSY

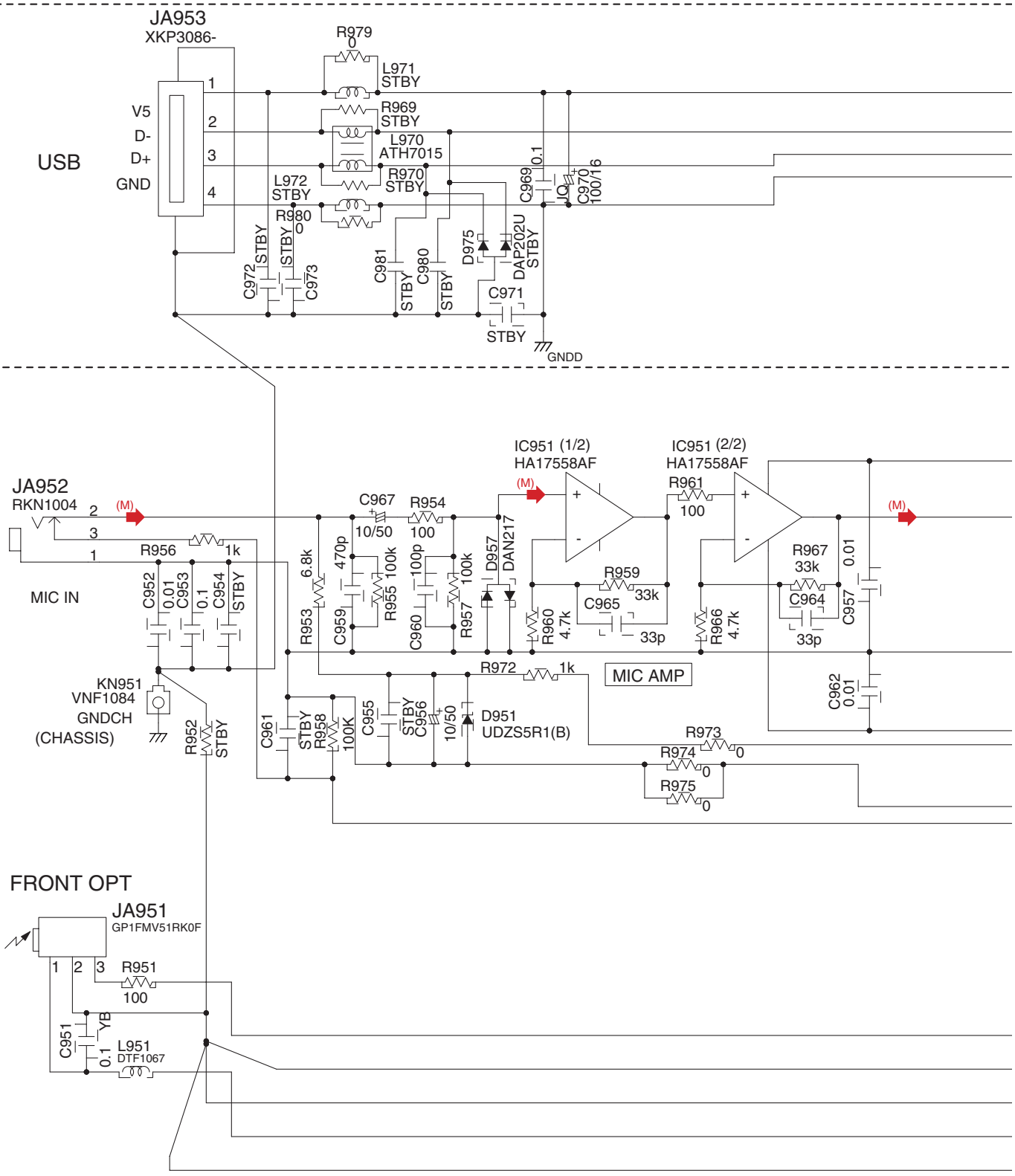
W USB ASSY (AWX8704)



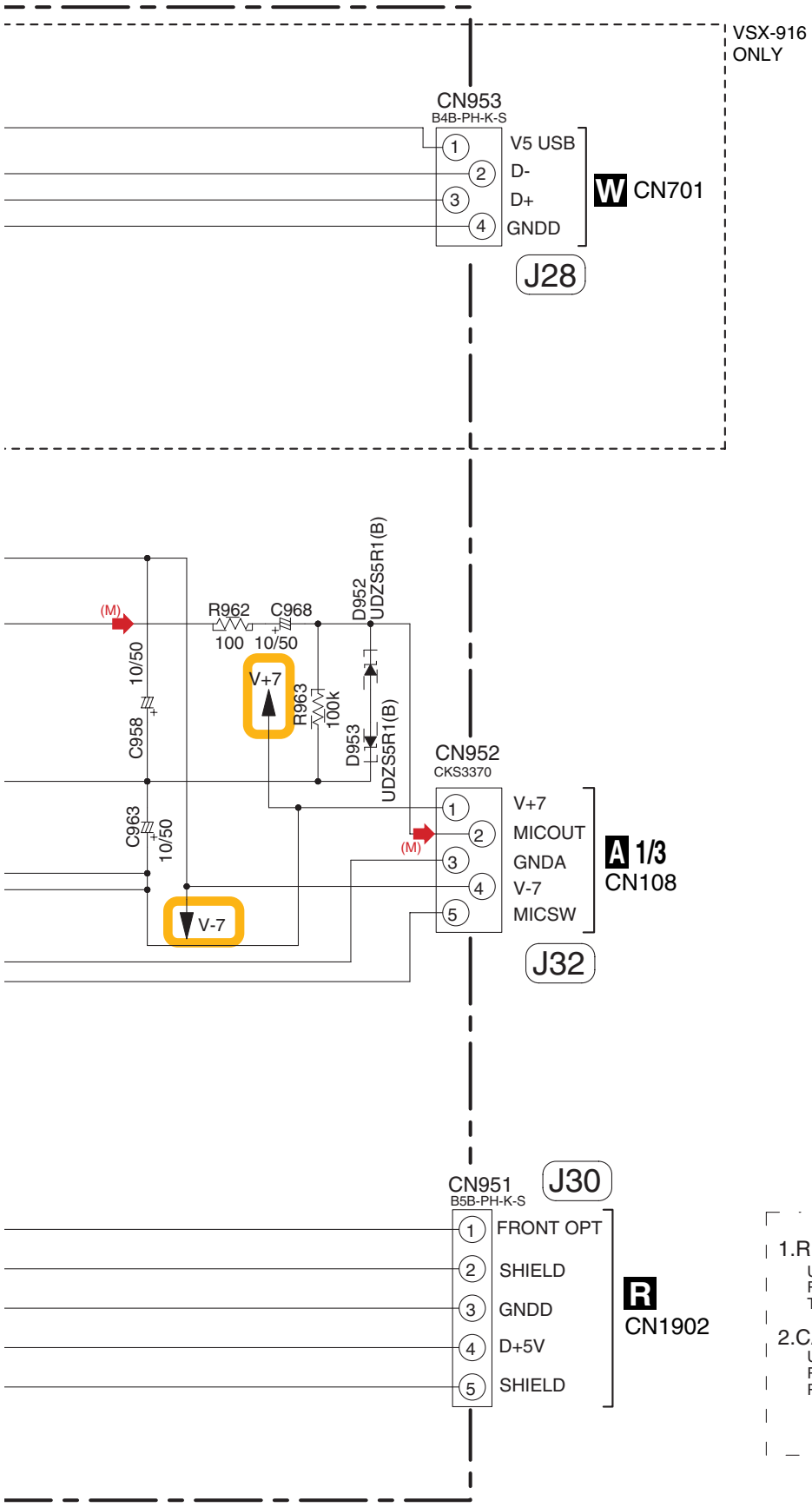

MAIN
CN702
XKP3078
ROUT
GNDA
LOUT
V+5D
XRST
GNDD
USCLK
GNDD
USCS
USDAI
USDAO
HREQ
TREQ
CTL
XFLAG
C 2/2
CN812
IC781
AK4387ET
MCLK
BCLK
DATA
LRCK
RSTN
DACS
DAC_SCK
DAC_SD
DZF
DVDD
AVDD
VSS
VCOM
AOUTL
AOUTR
NC
DAC
XMUTE
Q782
DTC114YUA
Q783
2SA1576A(RS)
Q784
IMX9
LRCK
BCLK
OE
WE
SDCKE
USBH_D-
USBH_D+
FLCS
SDCS
SDCLK
V3D
GNDD1
GNDA0
GNDD0
1.8VReg.
IC702
MM1561JF
V+1R8
V+3R3
Vo
NC
GND
Cn
Vin
Sub
Cont
3.3VReg.
IC703
BD7802FP
OUT
IN
for BOOT MODE
IC953
TC74VHC08FTS1
(SN74AHC08PW)
5V -> 3V
level shifter
for XM
IC951
TC74VHCT08AFTS1
(SN74AHCT08PW)
3V -> 5V
level shifter
for XM
GNDD2
P075
P076
P077
P078
Chip Size
RESISTOR
: 2125 Size
RS1/10S~
: 1608 Size
RS1/16S~
CAPACITOR
: 2125Size
CKSQ**~
: 1608 Size
CCSR**~
CKSR**~
ELECTRIC CAPS
JQ : CEJQ***M**

3.18 USB IN ASSY

X USB IN ASSY (VSX-816 : XWK3249)
(VSX-916 : XWK3250)



(M): Audio Signal Route (Mic ch)



NOTE

1.RESISTORS

Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.

2.CAPACITORS

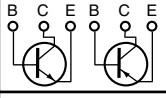
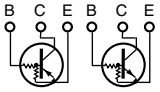
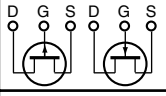
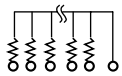
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.

X

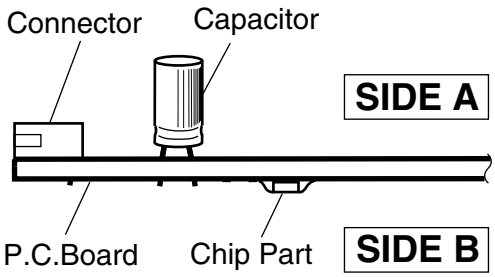
4. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

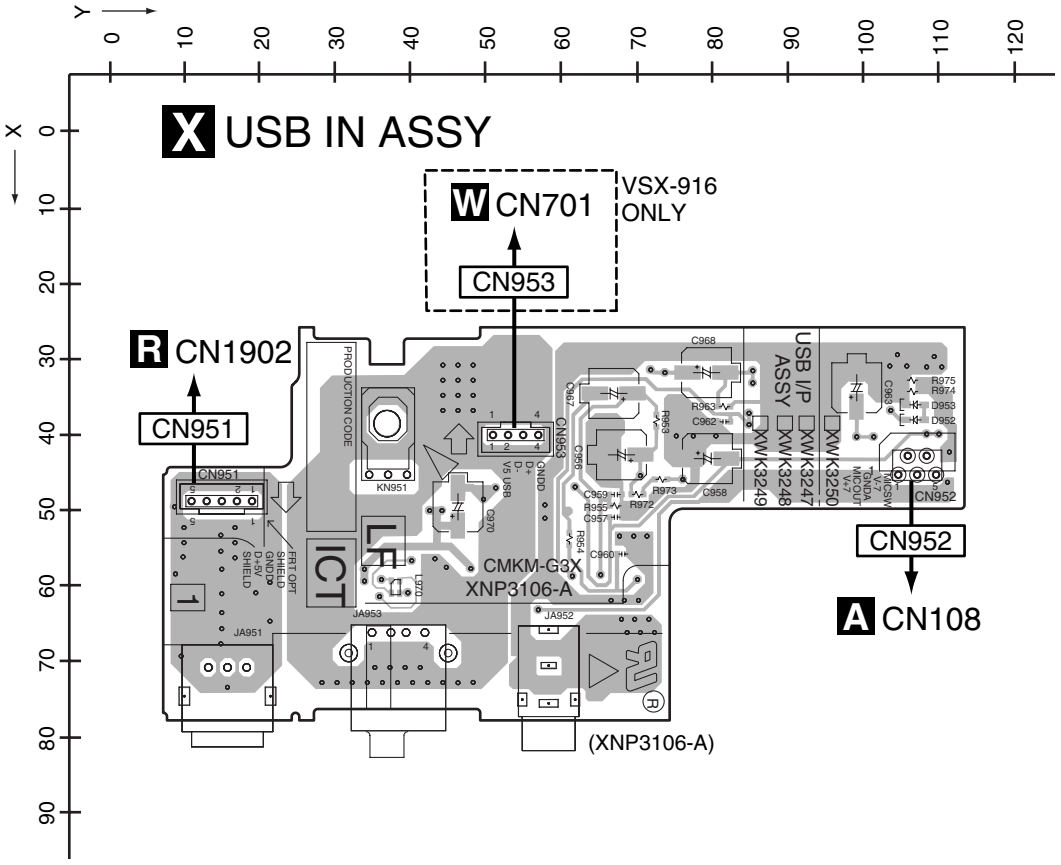
Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.

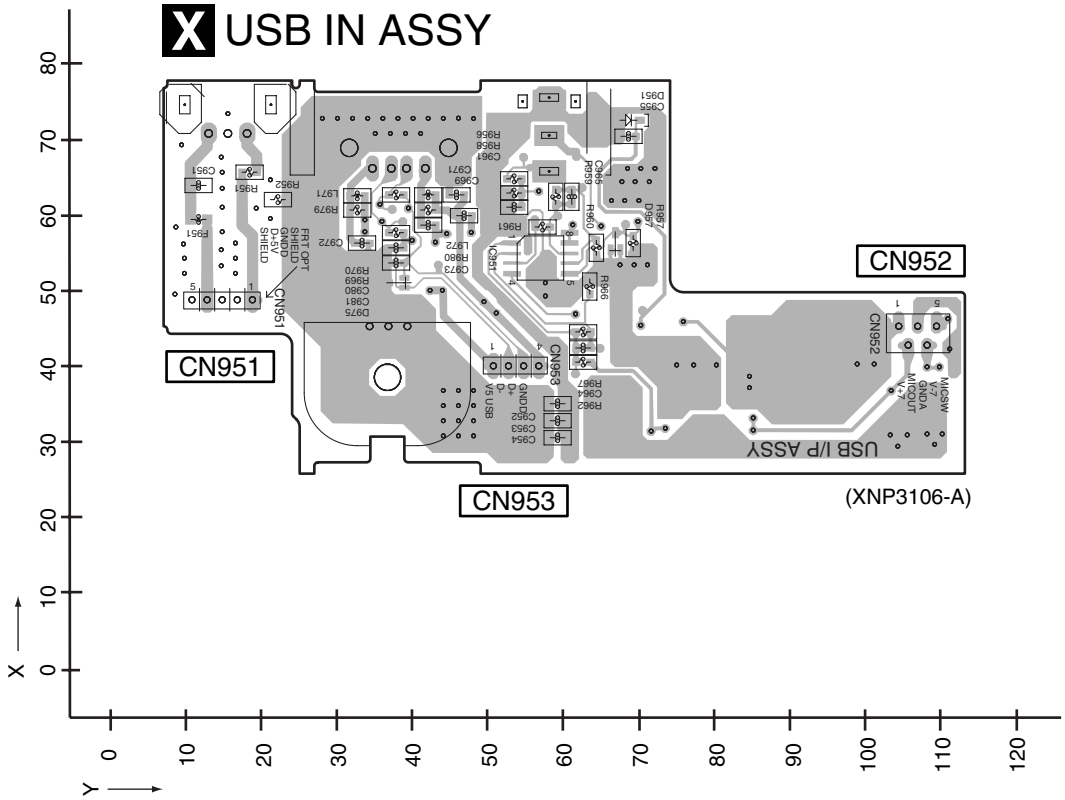


4.1 USB IN ASSY

SIDE A

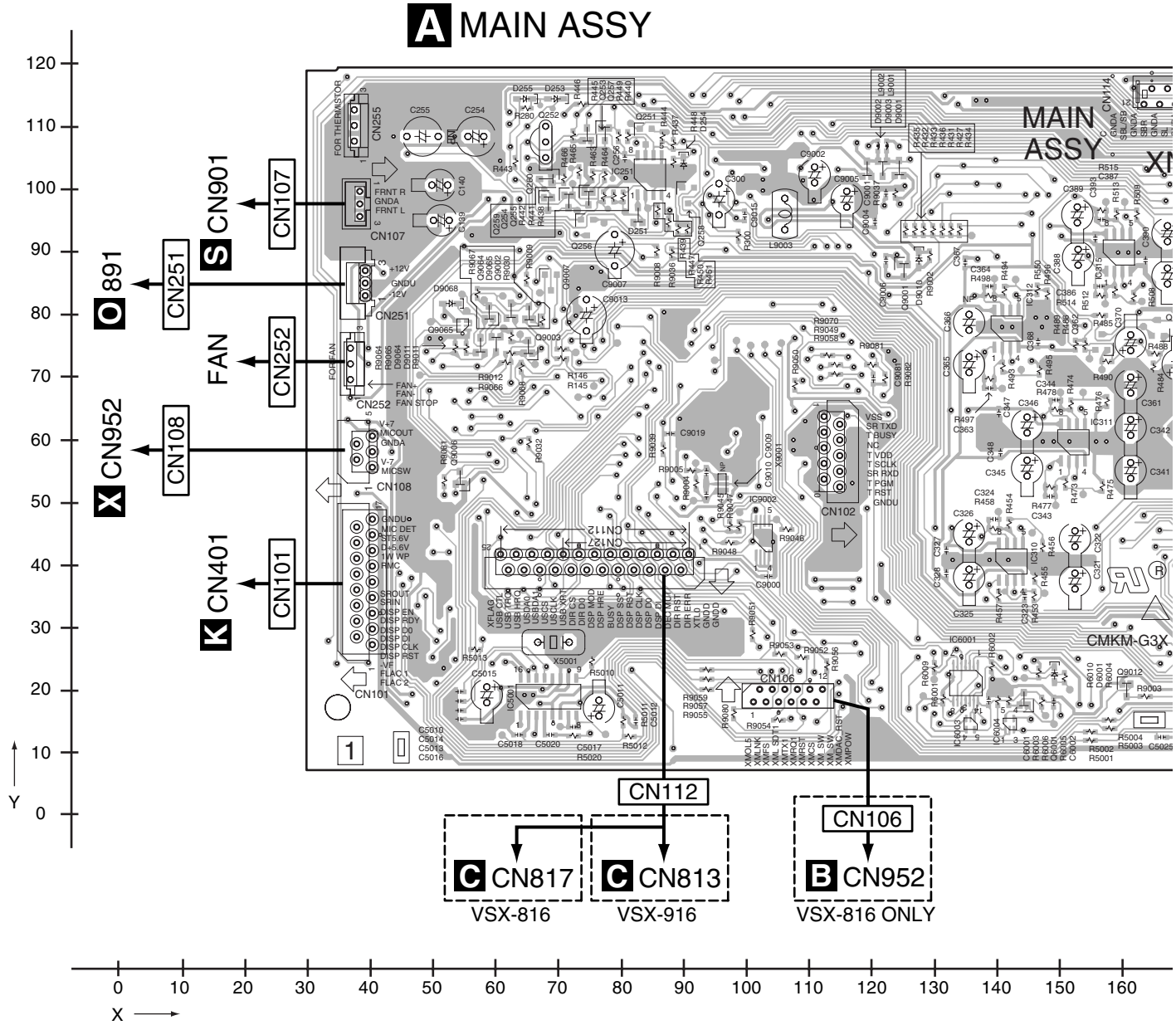


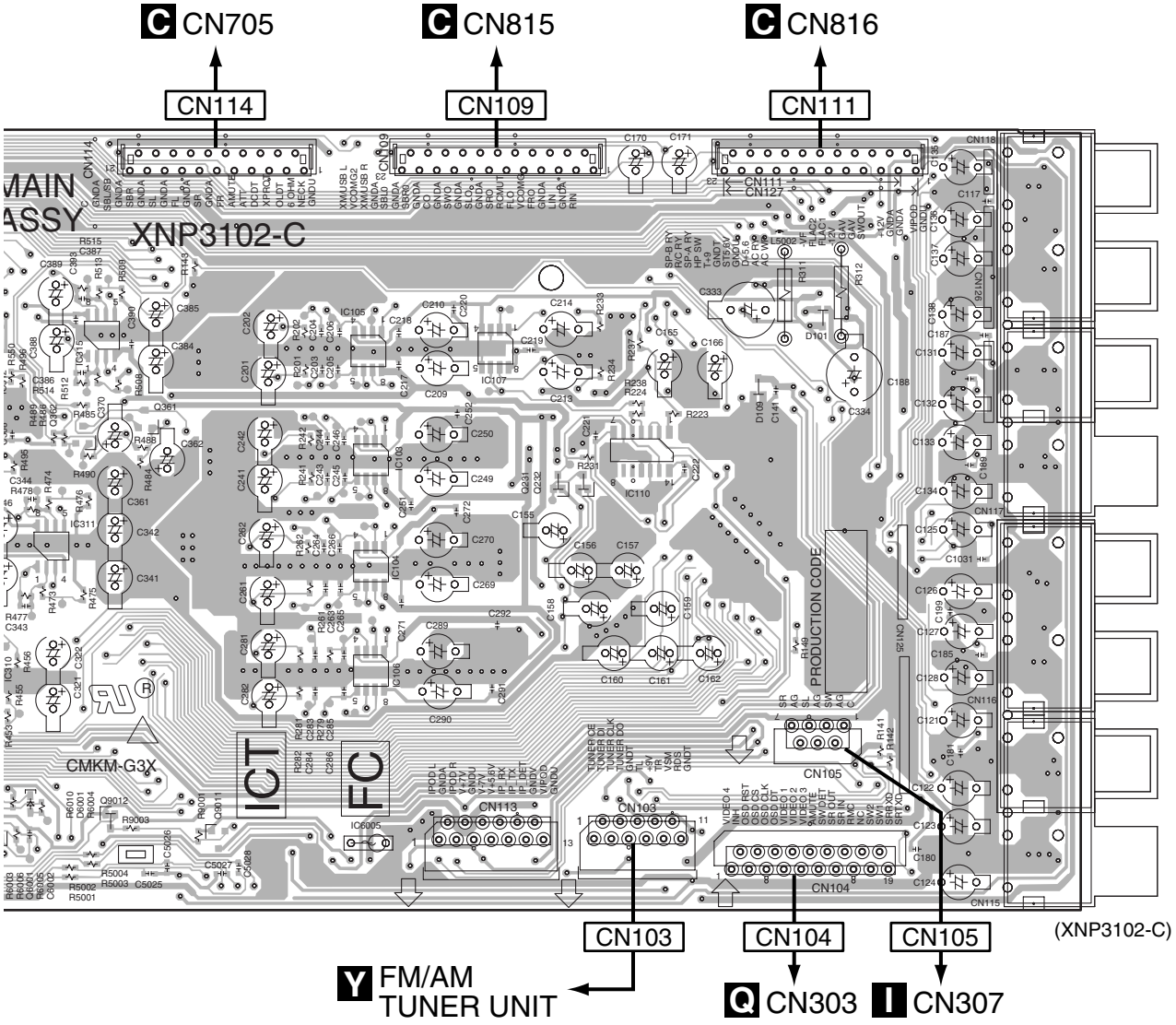
SIDE B



4.2 MAIN ASSY

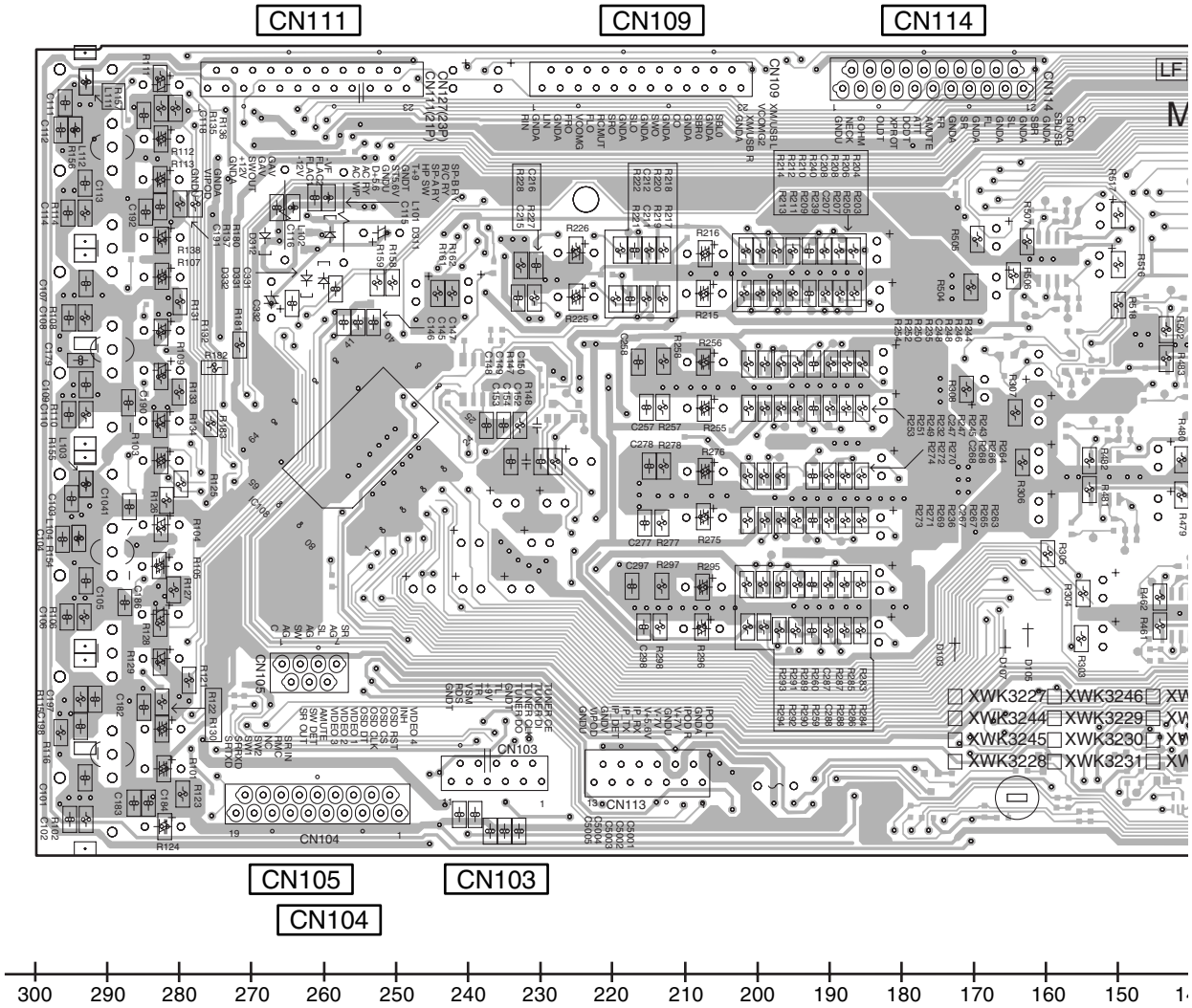
SIDE A

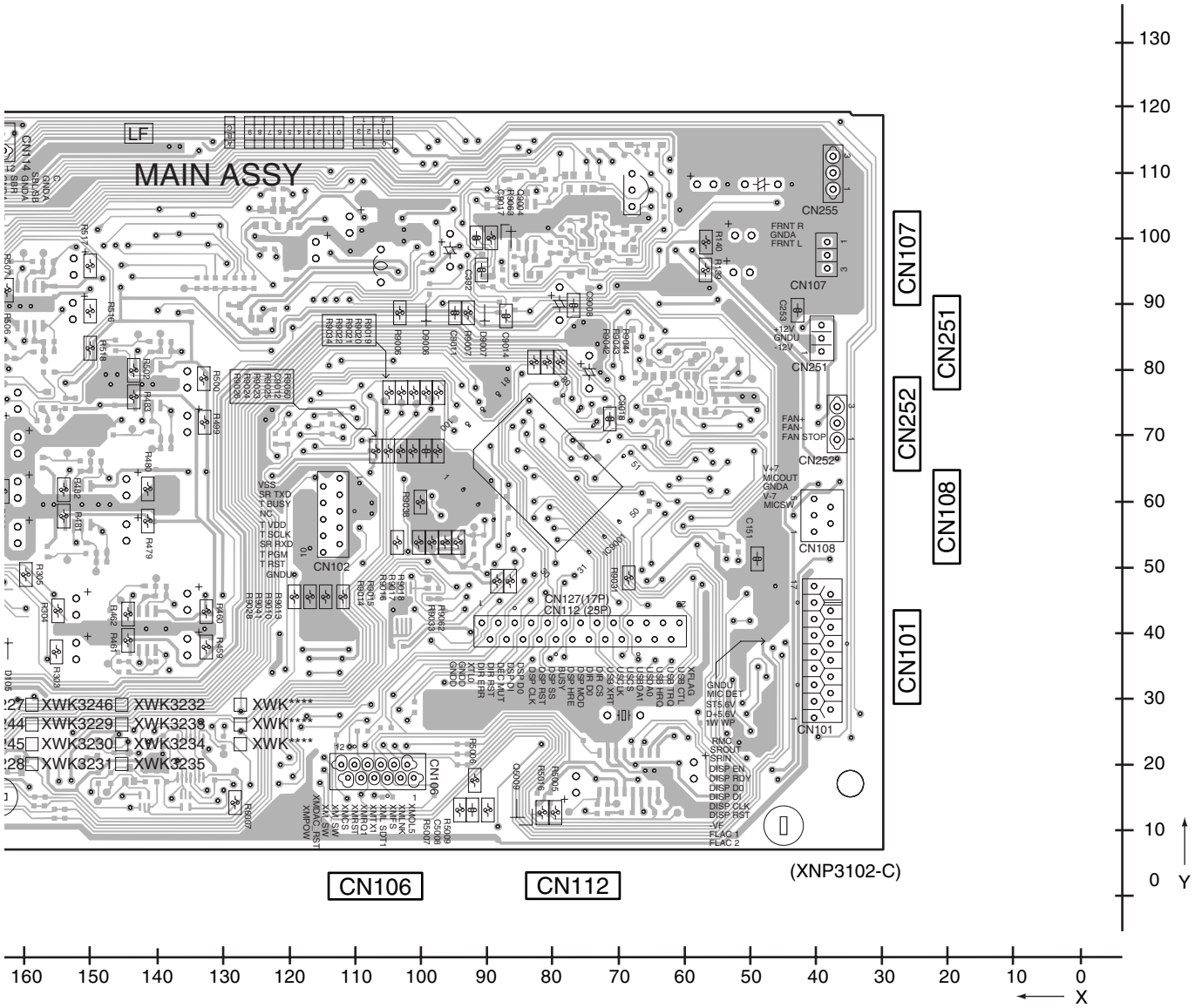



C CN705
C CN815
C CN816
CN114
CN109
CN111
MAIN ASSY XNP3102-C
CMKM-G3X
PRODUCTION CODE
CN103
CN104
CN105
(XNP3102-C)
Y FM/AM TUNER UNIT
Q CN303
I CN307

SIDE B

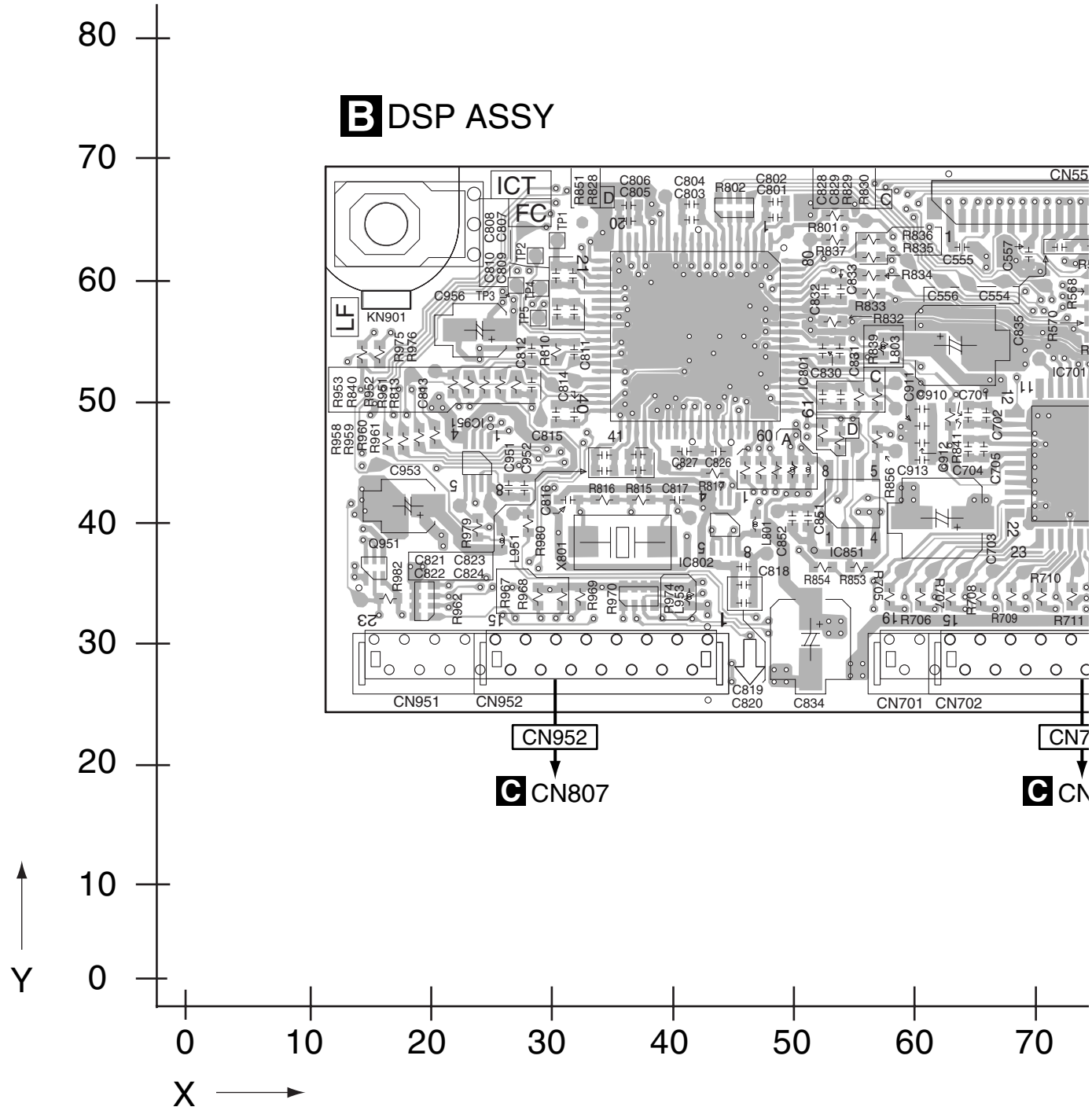
A MAIN ASSY




MAIN ASSY
LF
CN255
CN107
CN251
CN252
CN108
CN101
CN102
CN106
CN112
CN127(17P)
CN112 (25P)
(XNP3102-C)
XWK3246
XWK3232
XWK****
XWK3229
XWK3233
XWK****
XWK3230
XWK3234
XWK****
XWK3231
XWK3235
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
X

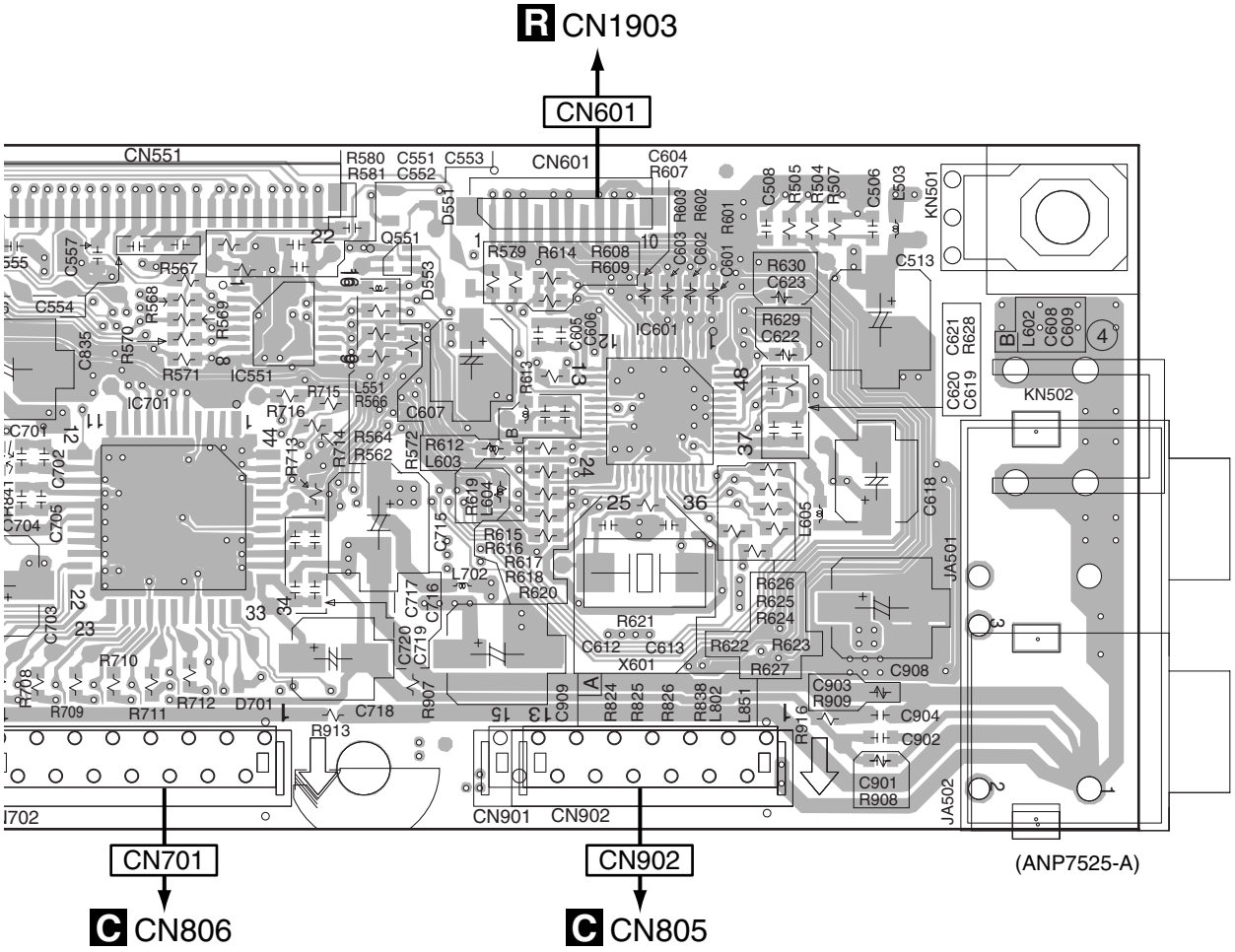
4.3 DSP ASSY (FOR VSX-916)

SIDE A



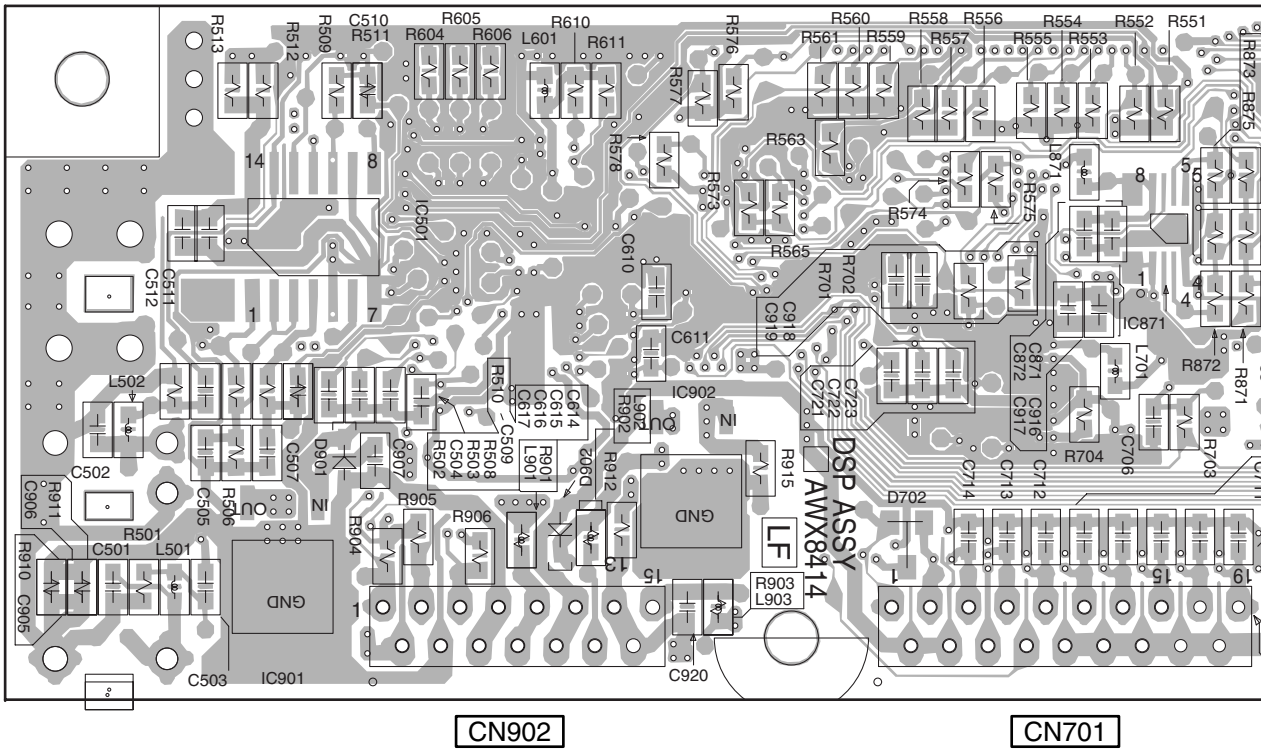
B

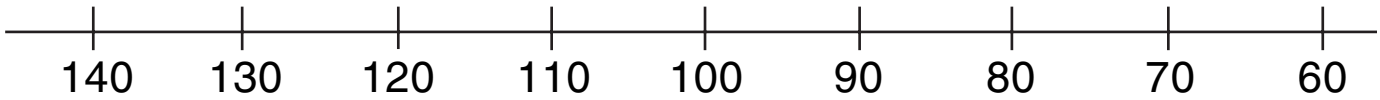
SIDE A


R CN1903
CN601
CN551
CN601
CN701
CN902
C CN806
C CN805
(ANP7525-A)
CN901
CN902
IC551
IC601
IC701
Q551
X601
KN501
KN502
JA501
JA502

SIDE B

B DSP ASSY

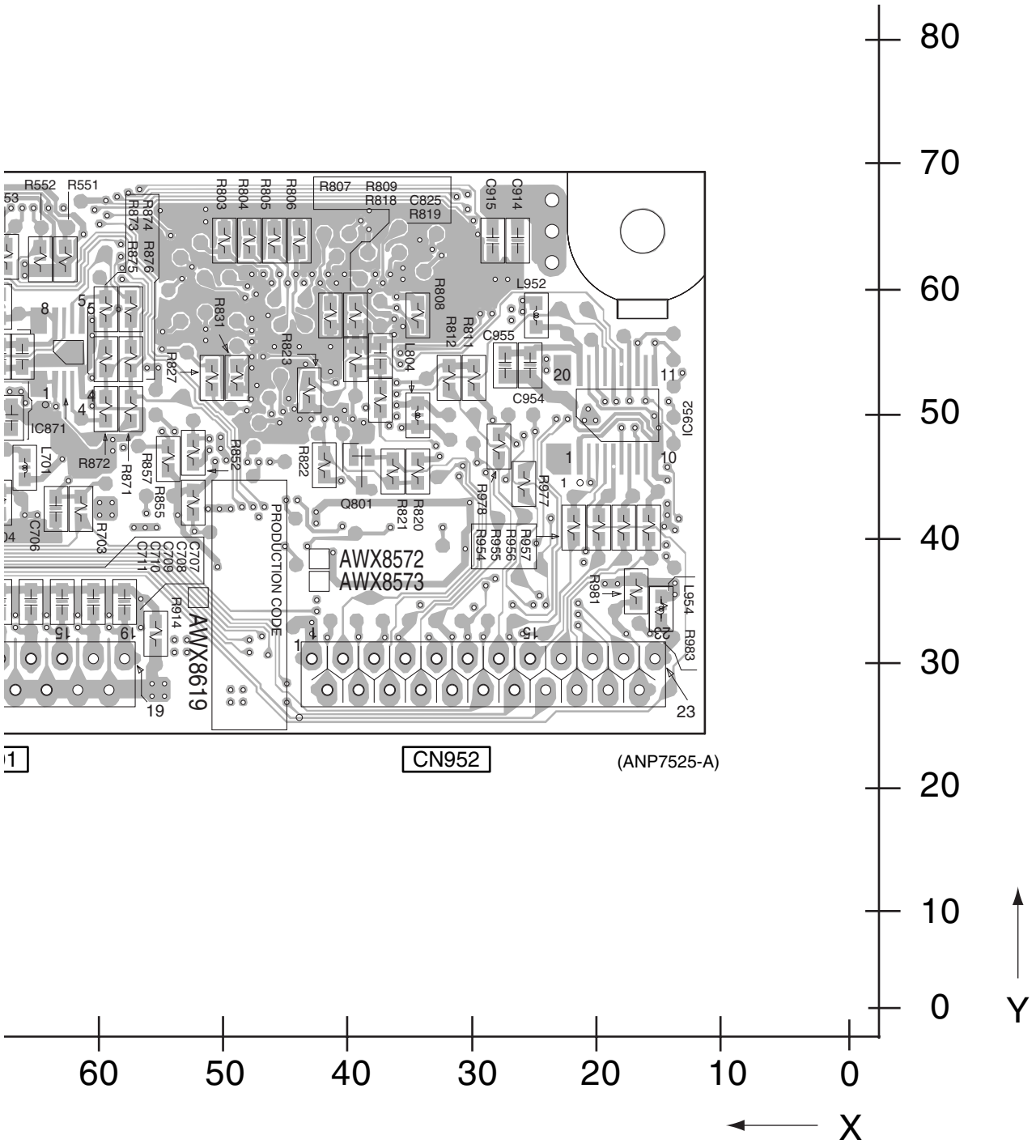




B

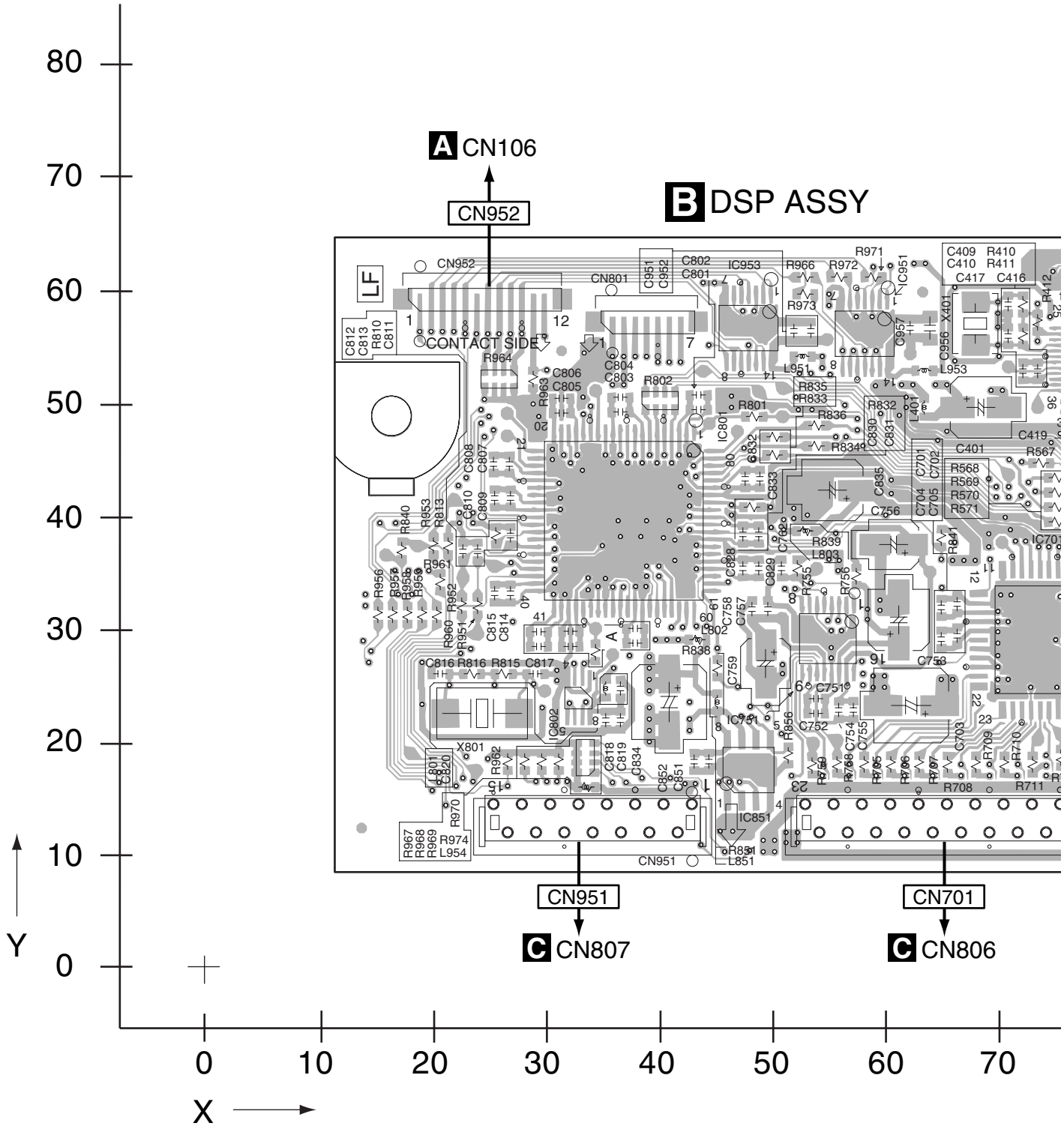
SIDE B

R552
R551
R803
R804
R805
R806
R807
R809
R818
C825
R819
C915
C914
R874
R873
R875
R876
R808
L952
R831
R823
R827
R811
R812
C955
L804
20
11
C954
IC871
R872
R852
R822
R857
R855
R871
Q801
R821
R820
R978
R977
10
C706
R703
C707
C708
C709
C710
C711
PRODUCTION CODE
AWX8572
AWX8573
R954
R955
R956
R957
R914
AWX8619
R981
L954
R983
15
19
23
CN952
(ANP7525-A)


80
70
60
50
40
30
20
10
0
Y
60
50
40
30
20
10
0
X

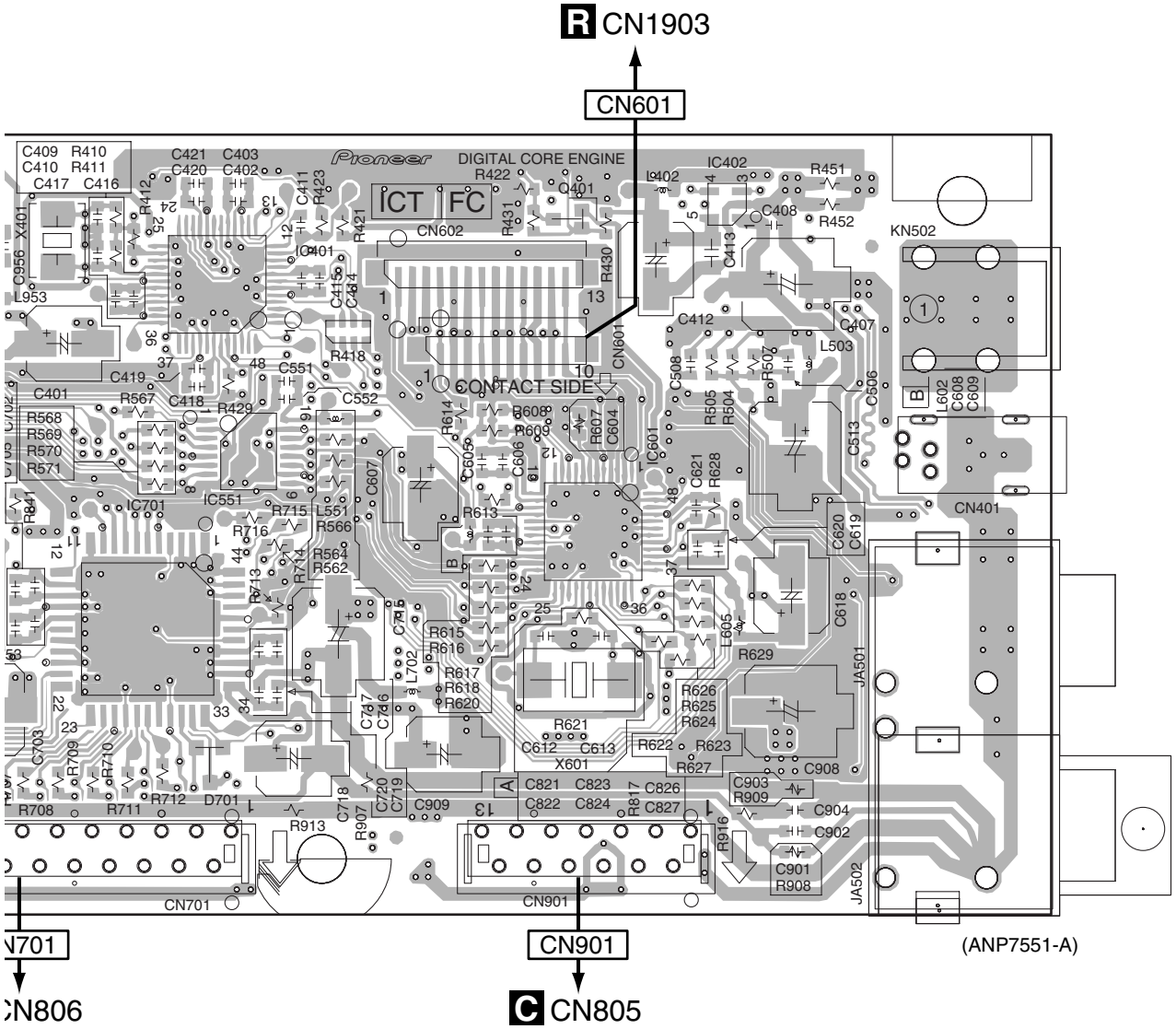
4.4 DSP ASSY (FOR VSX-816)

SIDE A



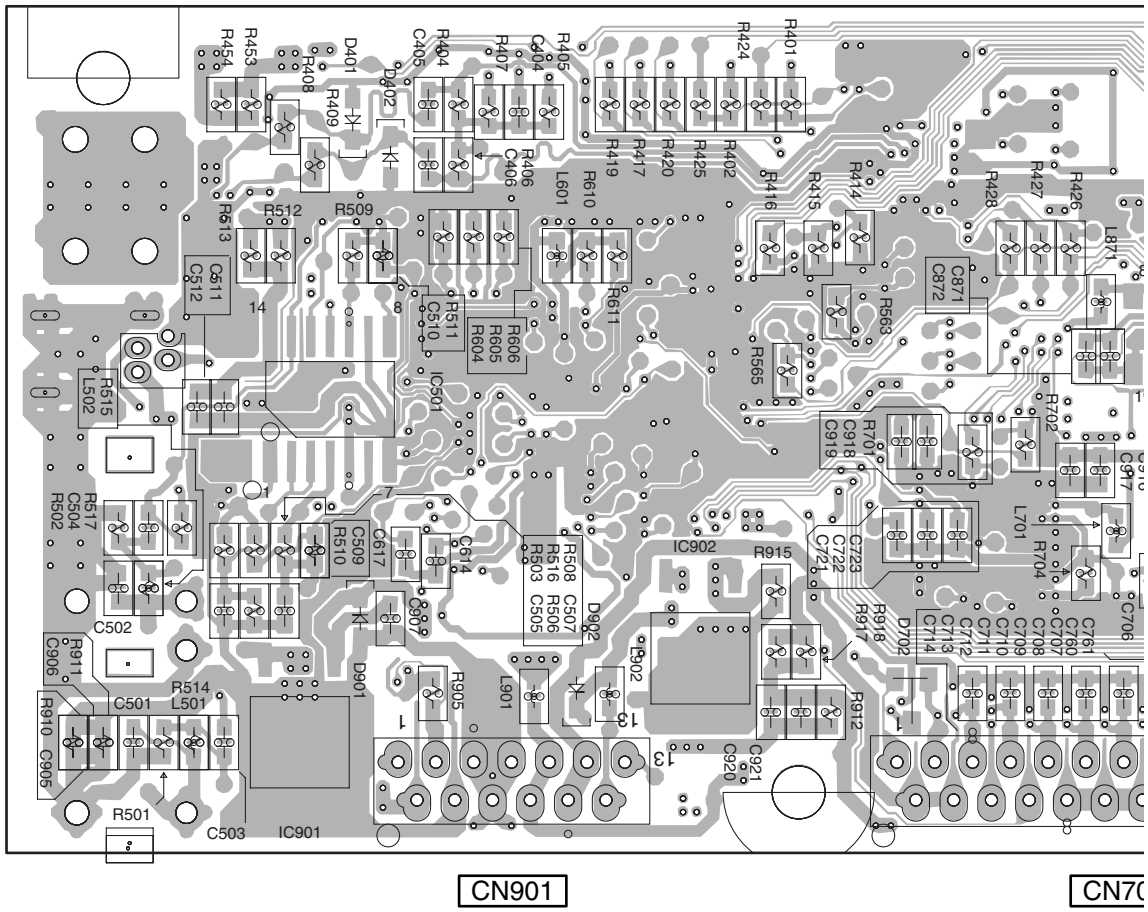
B

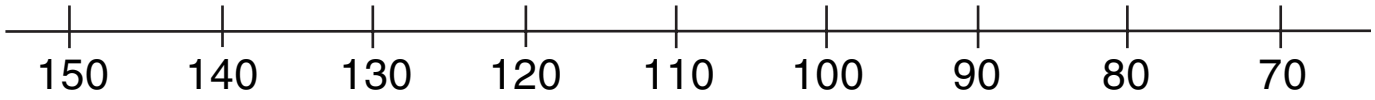
SIDE A


R CN1903
CN601
DIGITAL CORE ENGINE
ICT FC
CONTACT SIDE
CN602
CN401
KN502
CN701
CN901
JA501
JA502
X601
IC401
IC402
IC551
IC701
L503
(ANP7551-A)
CN806
C CN805

SIDE B

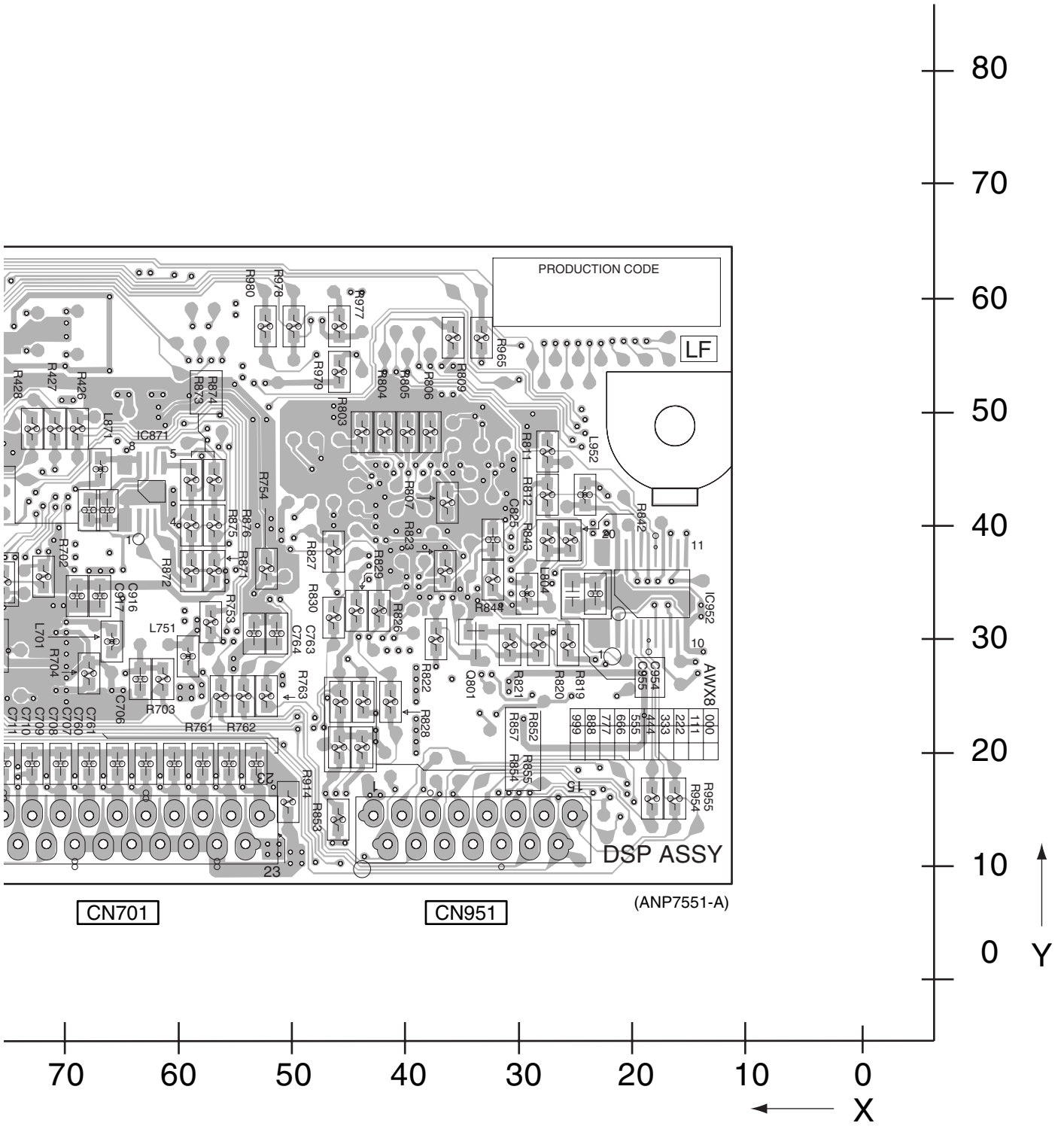
B DSP ASSY





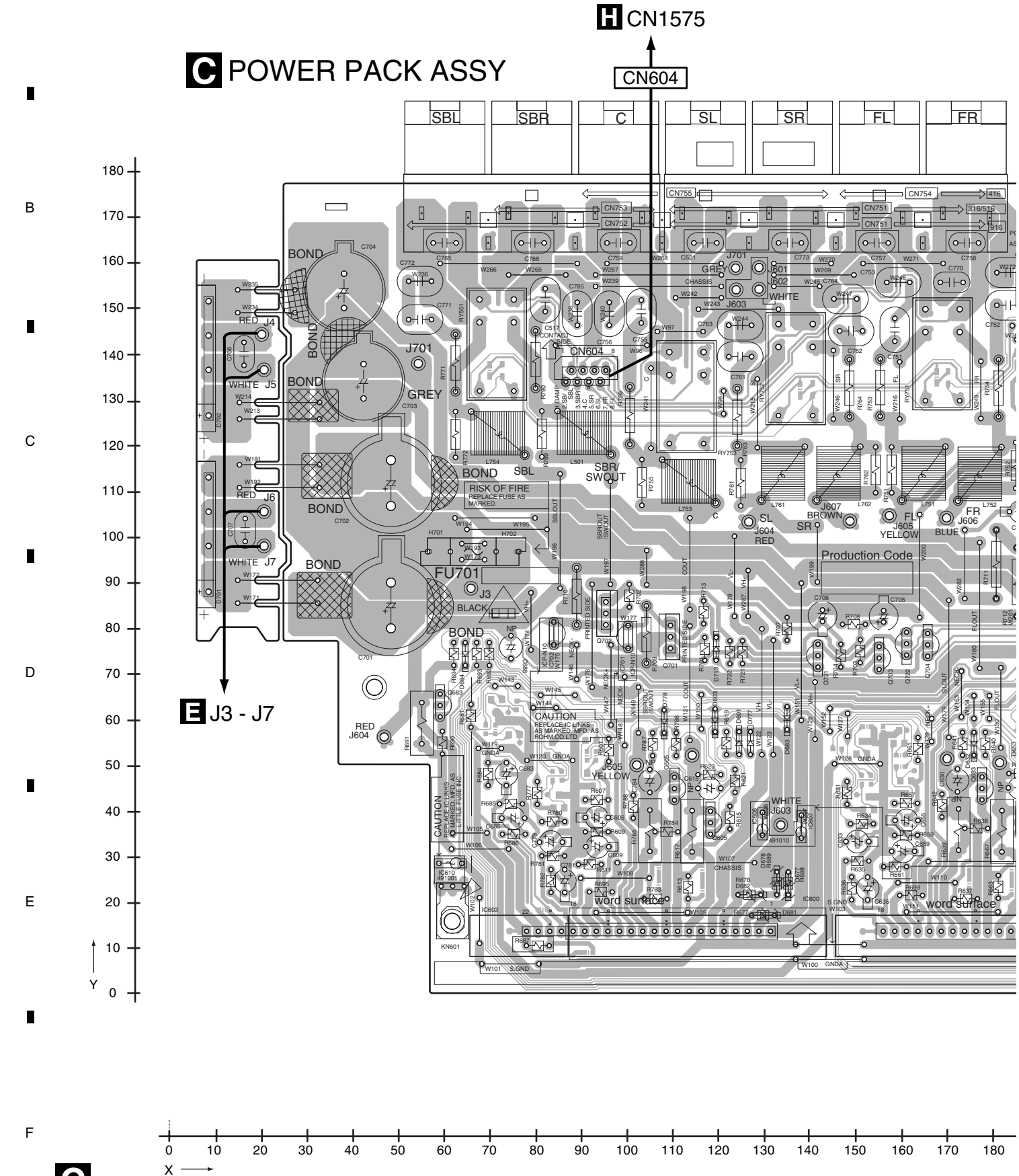
B

SIDE B

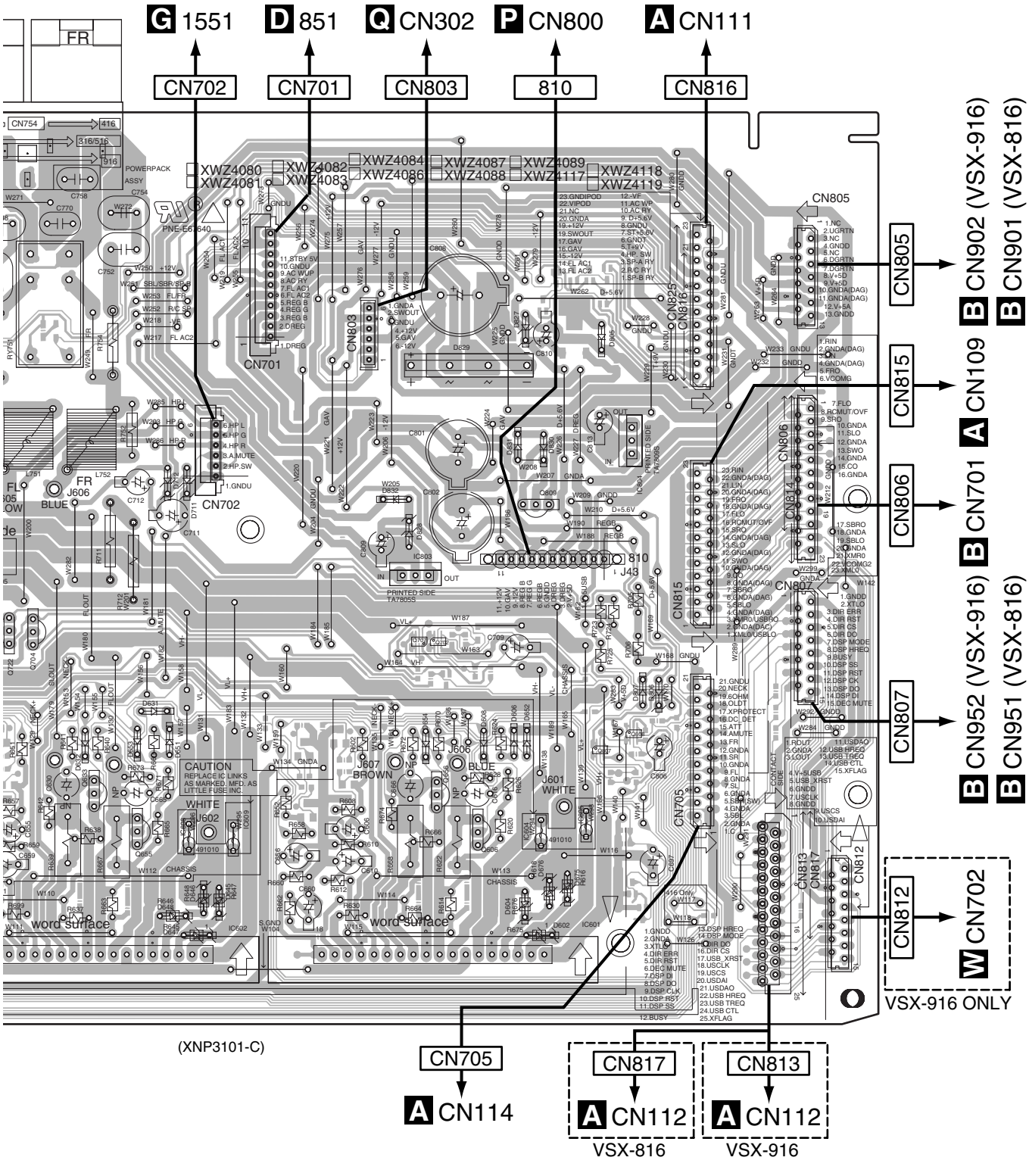

PRODUCTION CODE
LF
DSP ASSY
CN701
CN951
(ANP7551-A)
80
70
60
50
40
30
20
10
0
Y
70
60
50
40
30
20
10
0
X

4.5 POWER PACK ASSY

SIDE A

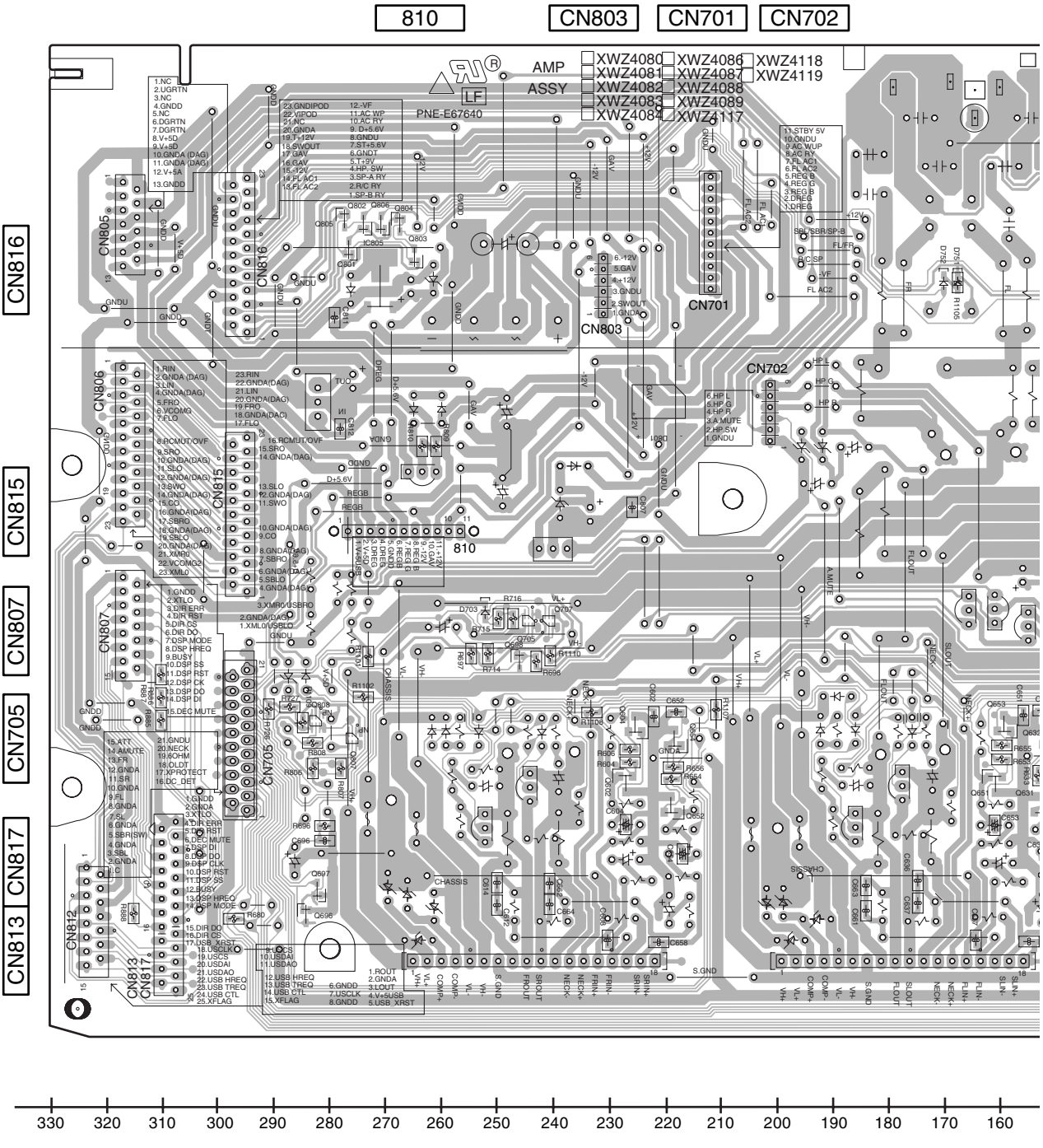


SIDE A


G 1551
D 851
Q CN302
P CN800
A CN111
CN702
CN701
CN803
810
CN816
CN805
CN815
CN806
CN807
CN812
CN705
CN817
CN813
B CN902 (VSX-916)
B CN901 (VSX-816)
B CN109
A CN701
B CN952 (VSX-916)
B CN951 (VSX-816)
W CN702
VSX-916 ONLY
(XNP3101-C)
A CN114
A CN112
VSX-816
A CN112
VSX-916
XWZ4080
XWZ4081
XWZ4082
XWZ4083
XWZ4084
XWZ4086
XWZ4087
XWZ4088
XWZ4089
XWZ4117
XWZ4118
XWZ4119
PNE-E61640
CAUTION
REPLACE IC LINKS
AS MARKED. MFD. AS
LITTLE FUSE INC.
word surface
CHASSIS
PRINTED SIDE

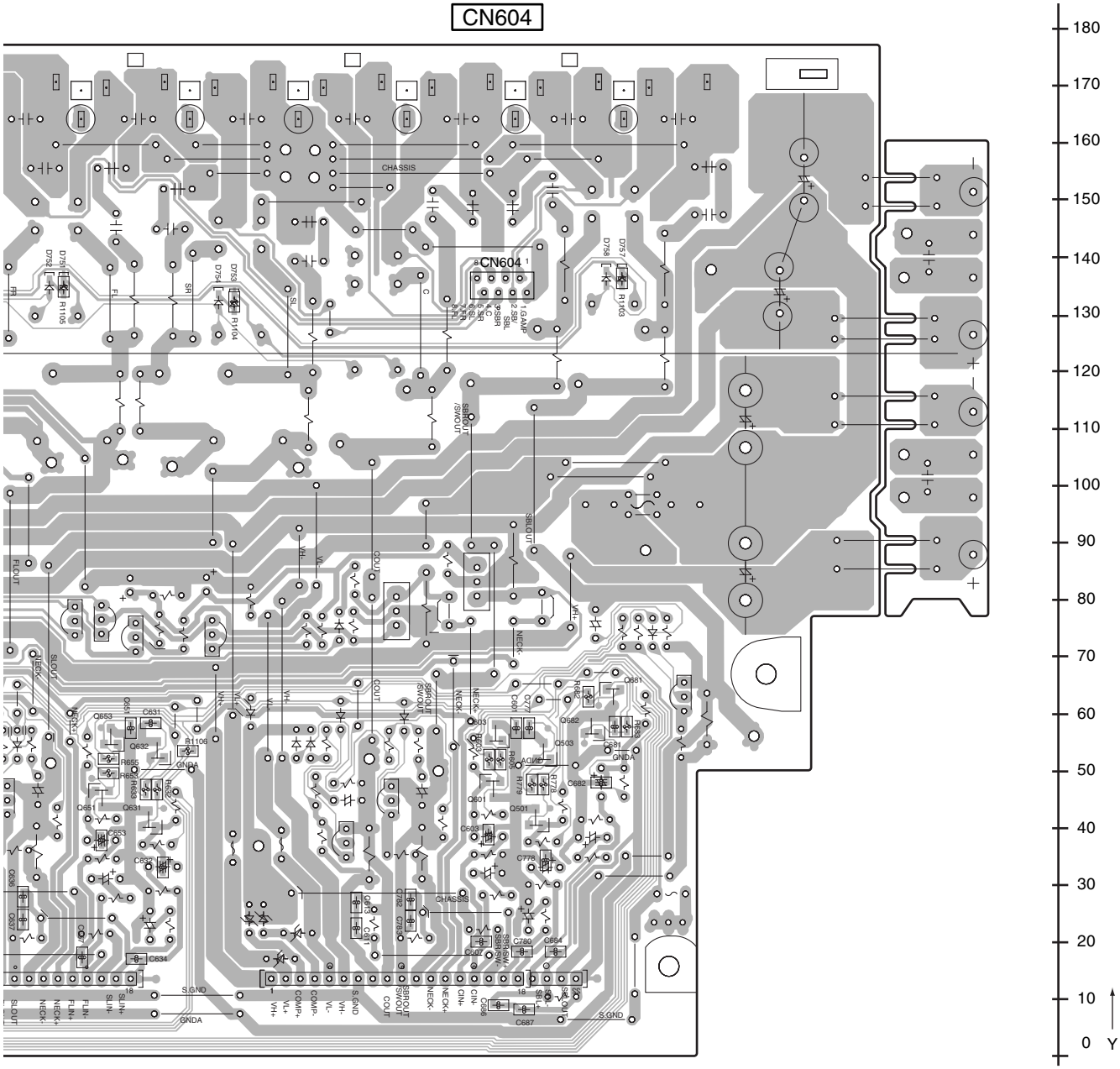
SIDE B

C POWER PACK ASSY



SIDE B

CN604


CHASSIS
CN604
1 GAMP
2 SBL
3 SBR
4 C
5 SR
6 FR
7 FL
8 FL
FLOUT
SLOUT
SBLOUT
SBROUT
/SWOUT
COUT
NECK+
NECK-
VH+
VL+
VC+
VC-
VH-
COMP+
COMP-
S.GND
GNDA
SLIN+
SLIN-
FLIN+
FLIN-
SRIN+
SRIN-
CIN+
CIN-
AGND
R1106
R1105
R1104
R1103
D751
D752
D753
D754
D755
D757
D758
Q651
Q631
Q632
Q653
Q654
Q655
Q656
Q657
Q658
Q659
Q660
Q661
Q662
Q663
Q664
Q665
Q666
Q667
Q668
Q669
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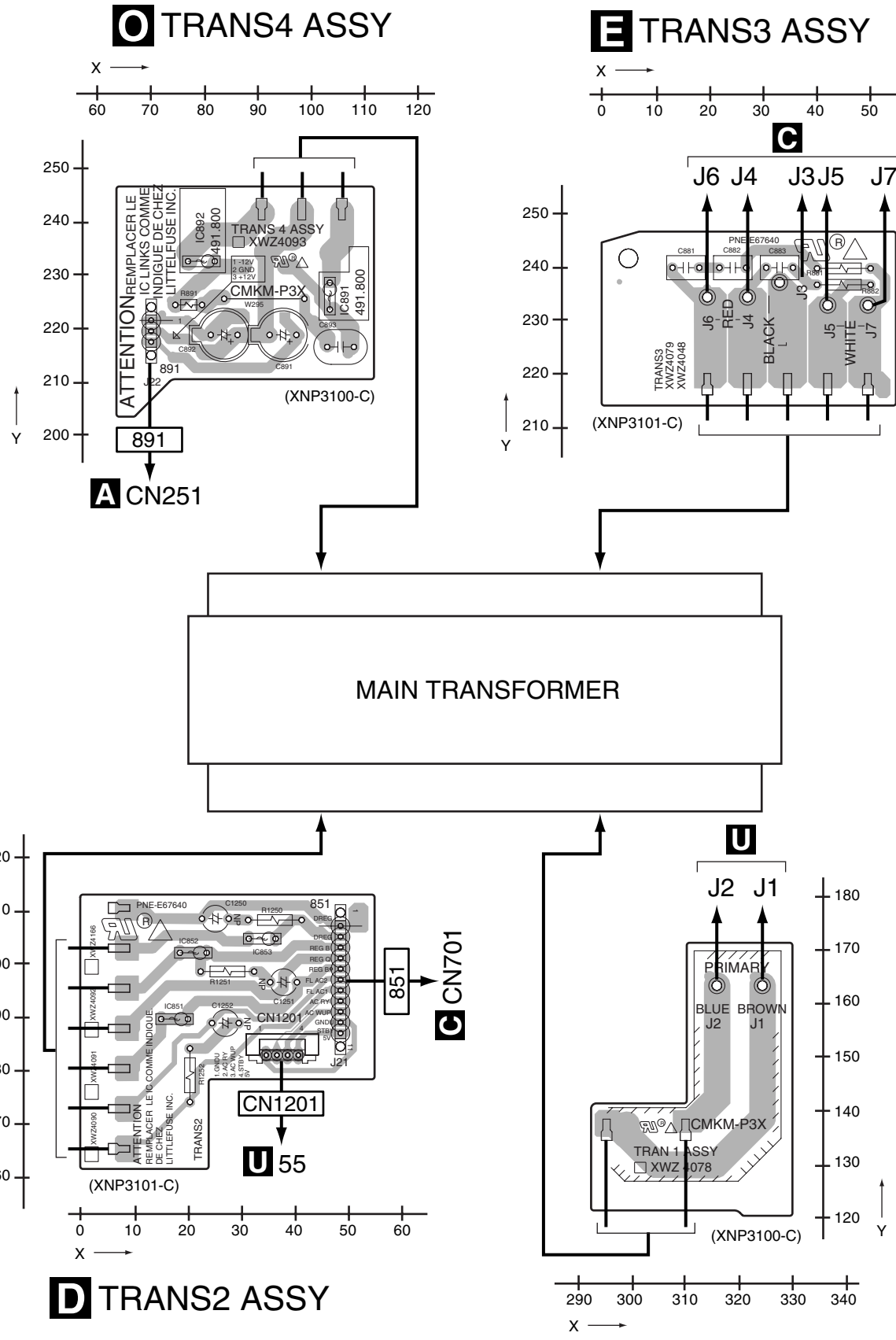
Q672
Q673
Q674
Q675
Q676
Q677
Q678
Q679
Q680
Q681
Q682
Q683
Q684
Q685
Q686
Q687
Q688
Q689
Q690
Q691
Q692

4.6 TRANS2, TRANS3, TRANS4 and TRANS1 ASSYS

SIDE A

SIDE A



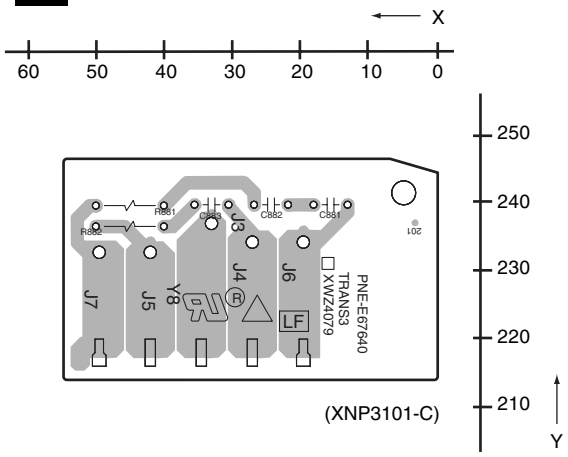
D E O V

D E O V

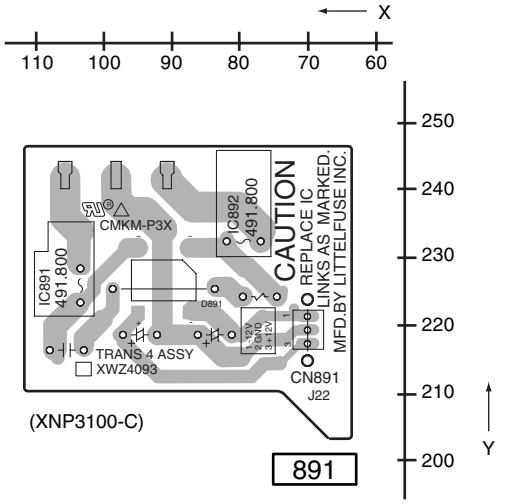
SIDE B

SIDE B

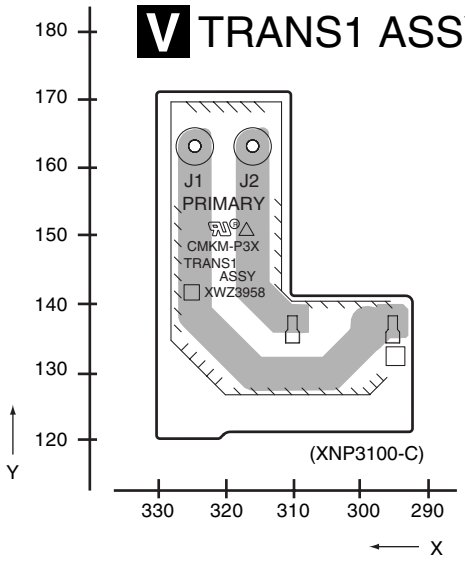
E TRANS3 ASSY



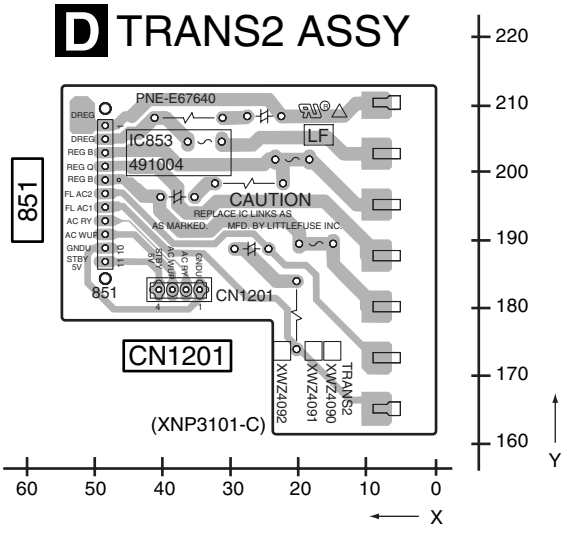
O TRANS4 ASSY



V TRANS1 ASSY



D TRANS2 ASSY

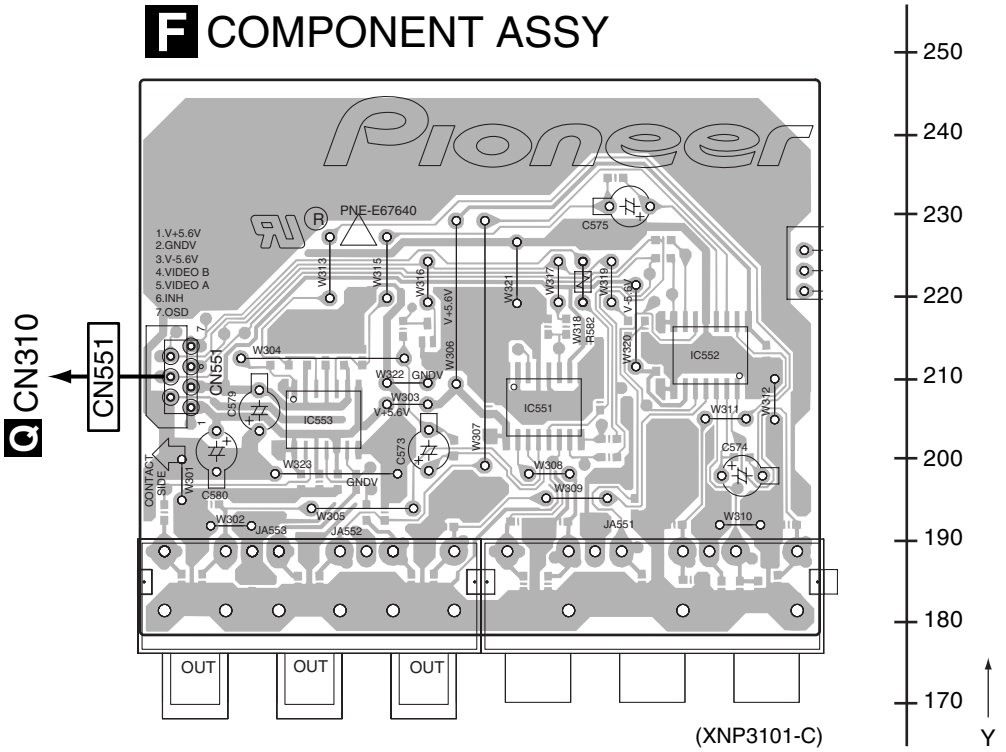


4.7 COMPONENT ASSY

SIDE A

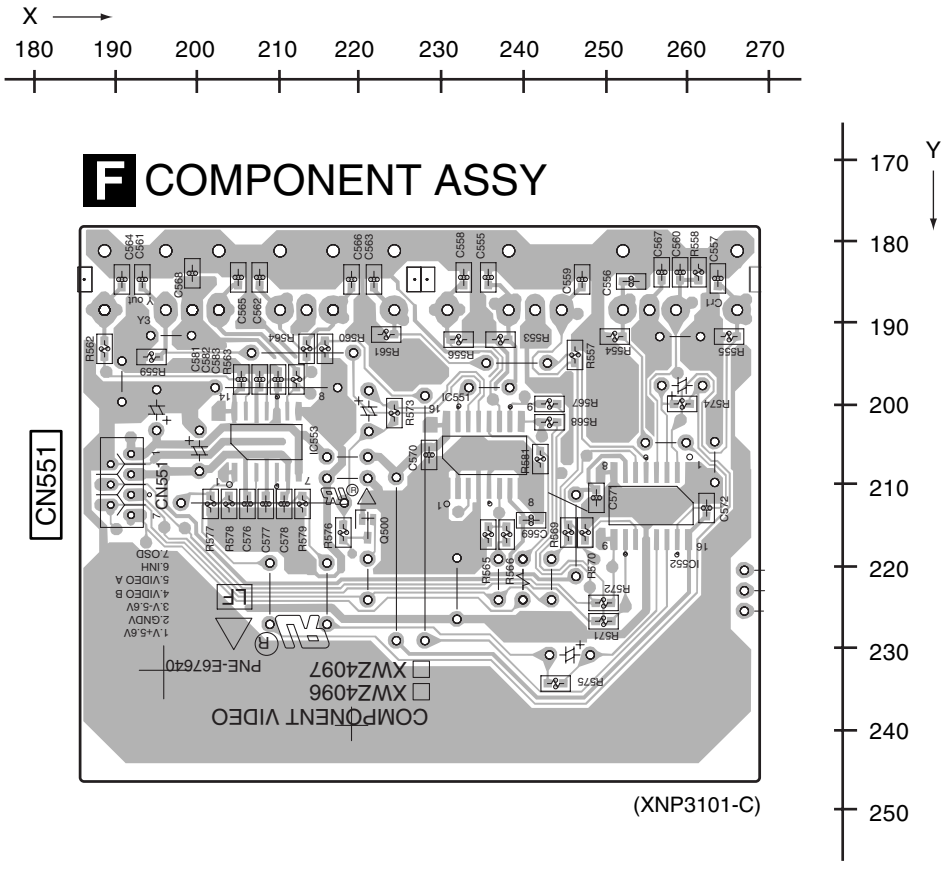
SIDE A

F COMPONENT ASSY



SIDE B

SIDE B

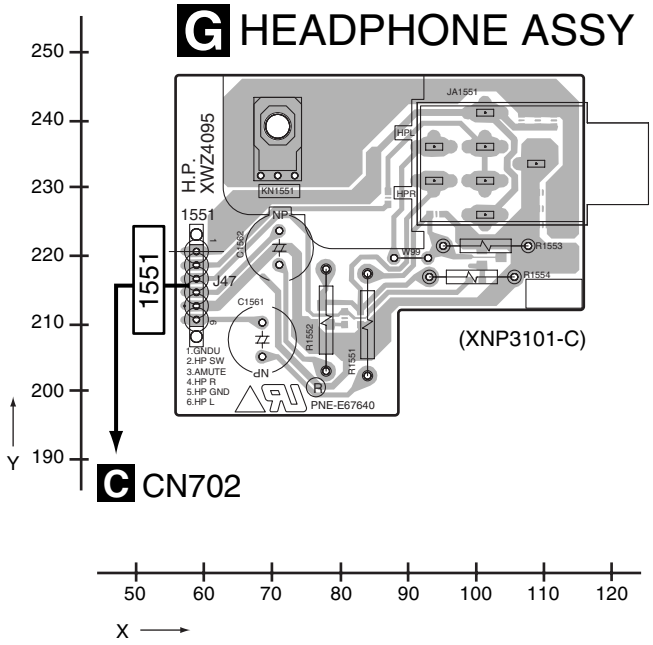


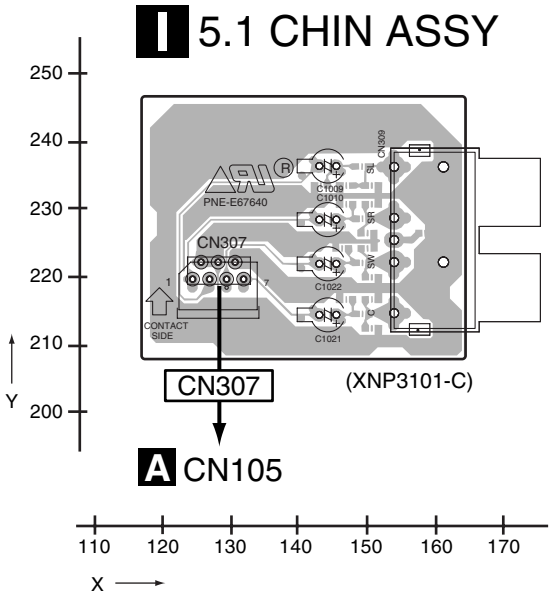
F

F

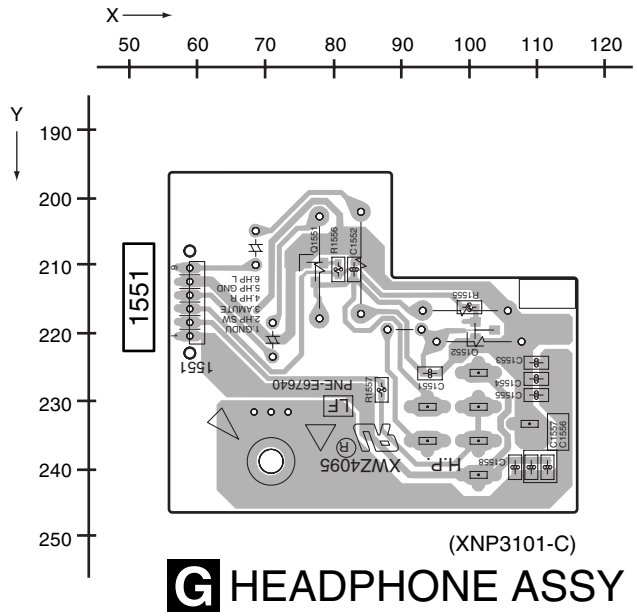
4.8 HEADPHONE and 5.1 CHIN ASSYS

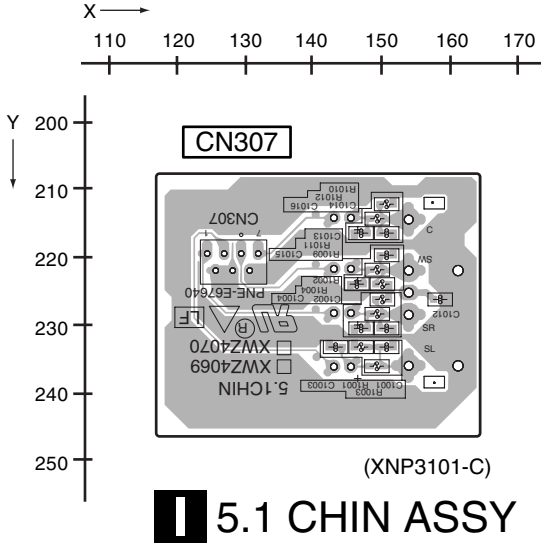
SIDE A





SIDE B



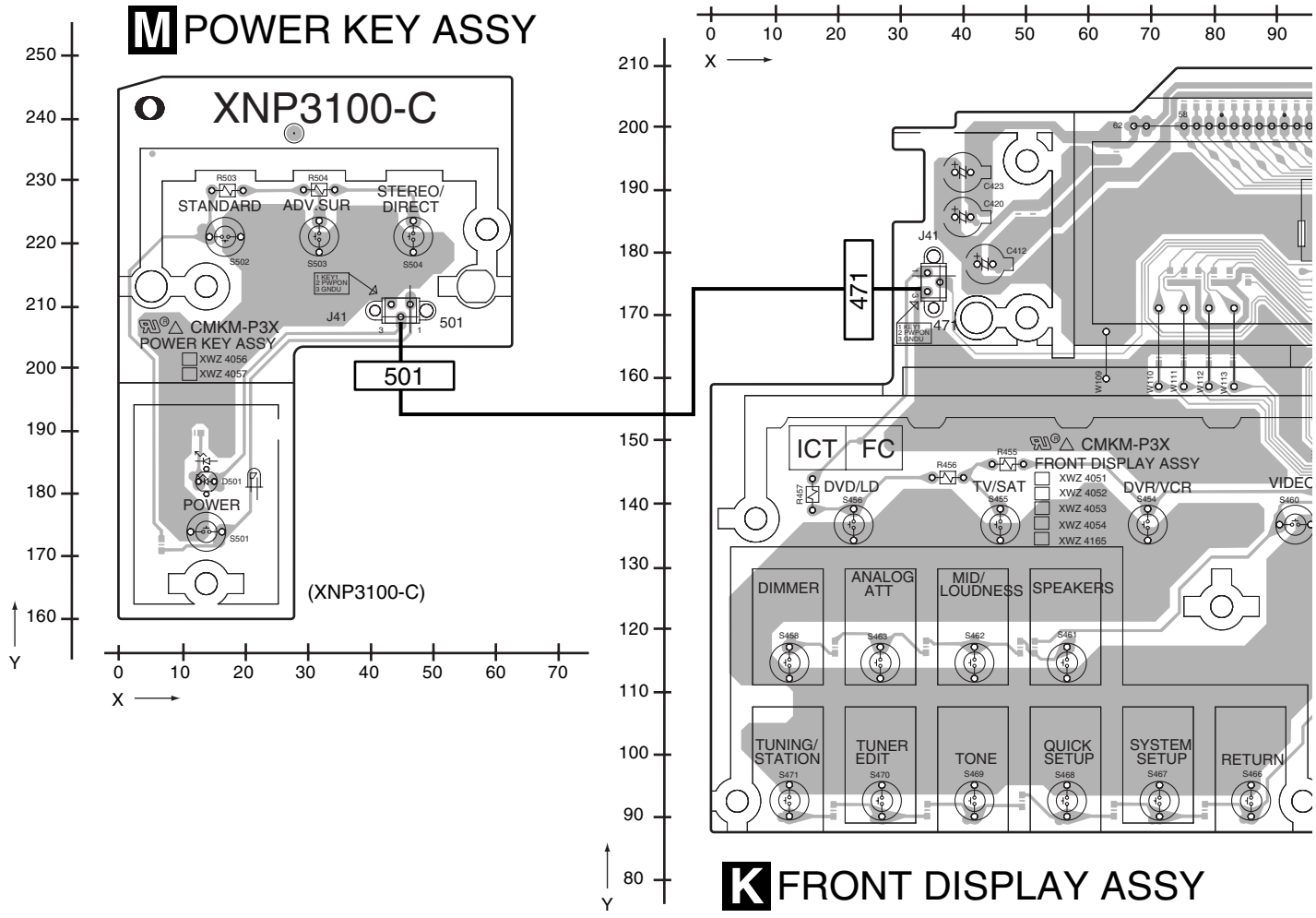


G I

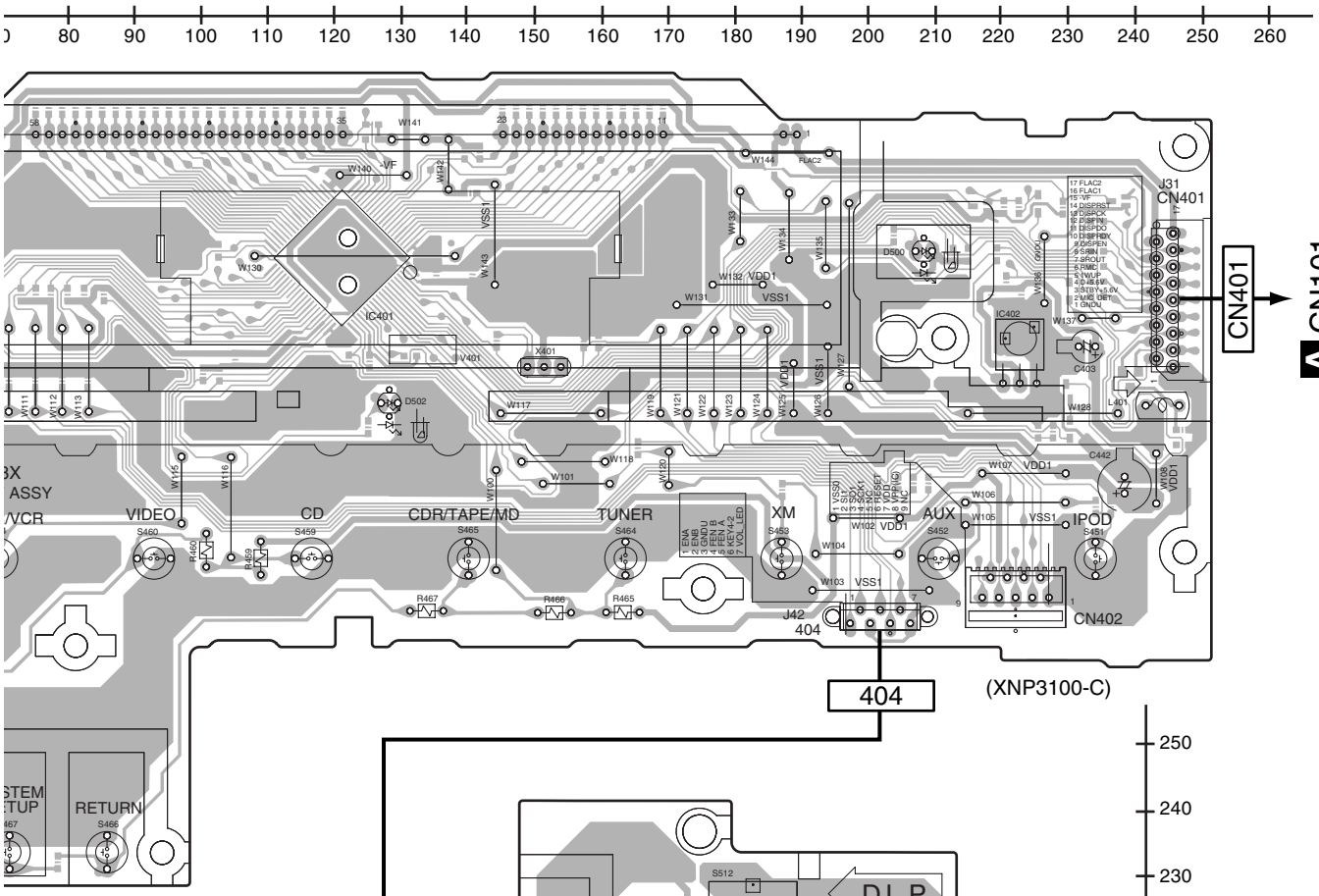
G I

4.9 FRONT DISPLY, R. ENCODER and POWER KEY ASSYS

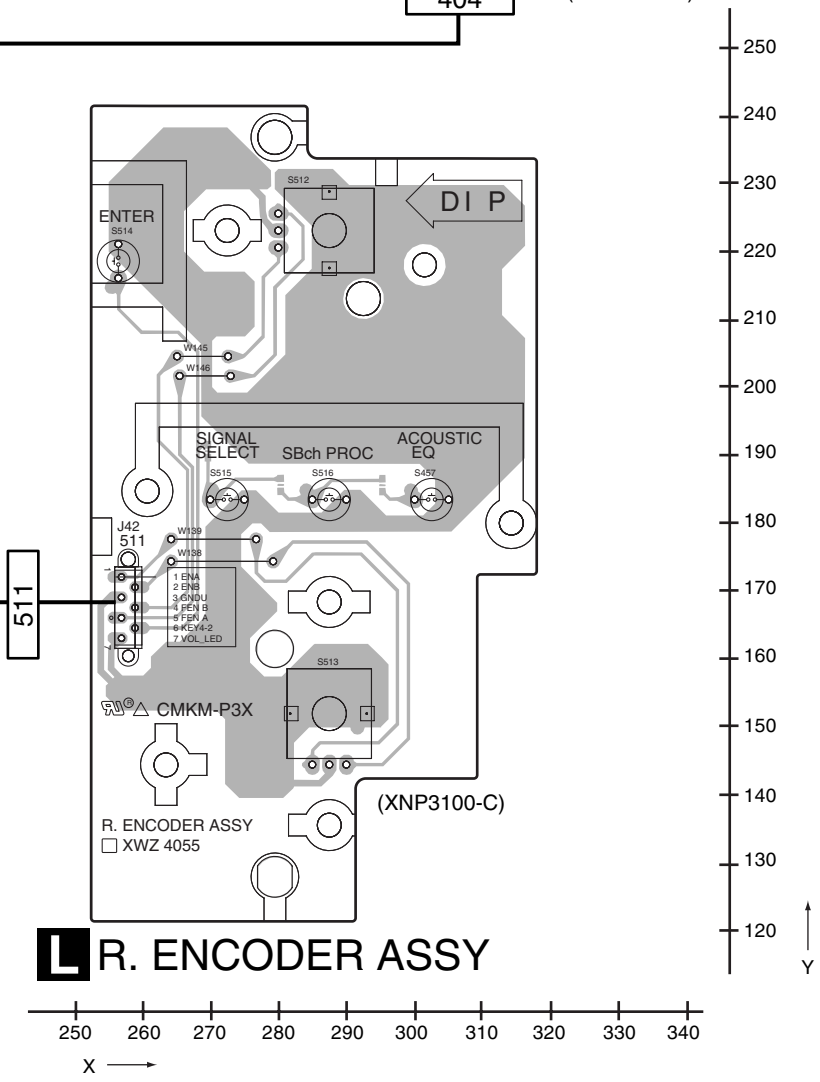
SIDE A



SIDE A



SY

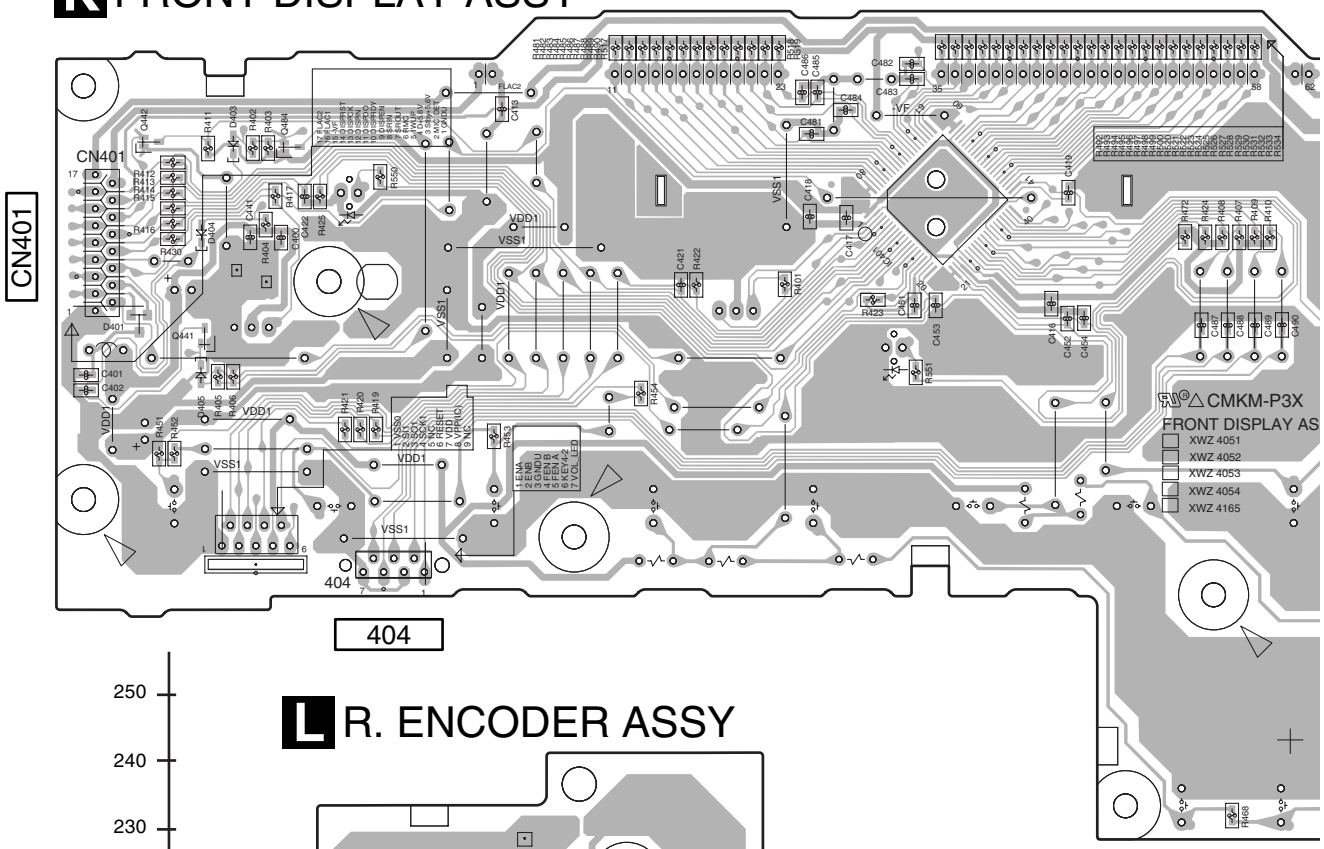


L R. ENCODER ASSY

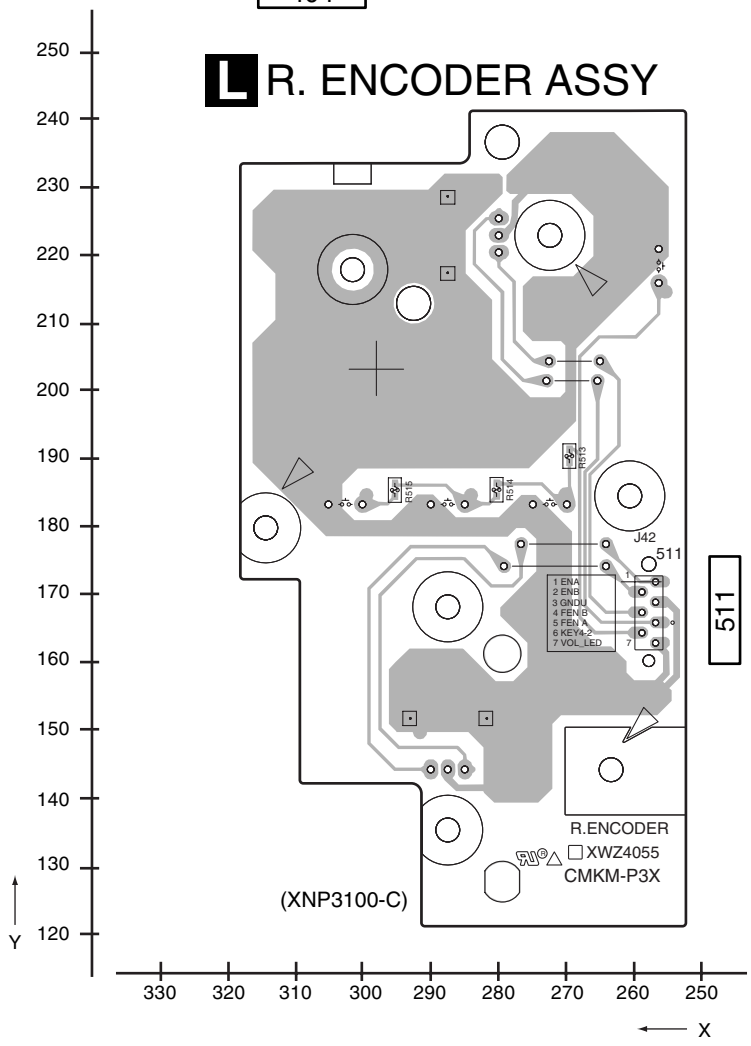
K L

SIDE B

K FRONT DISPLAY ASSY

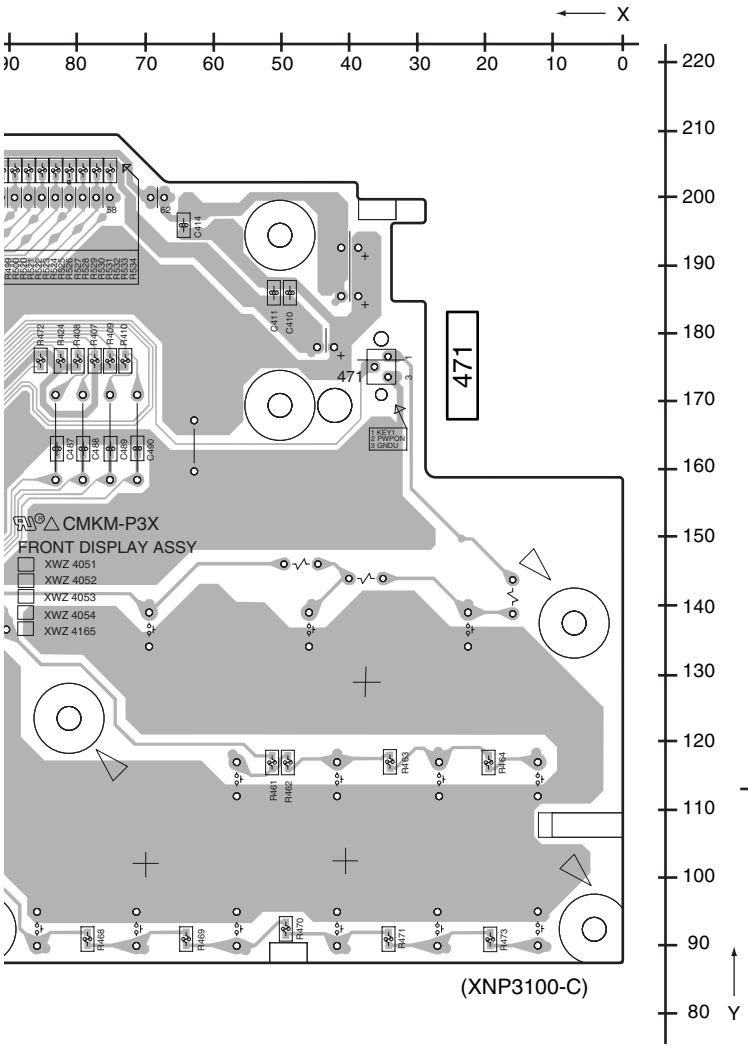


L R. ENCODER ASSY

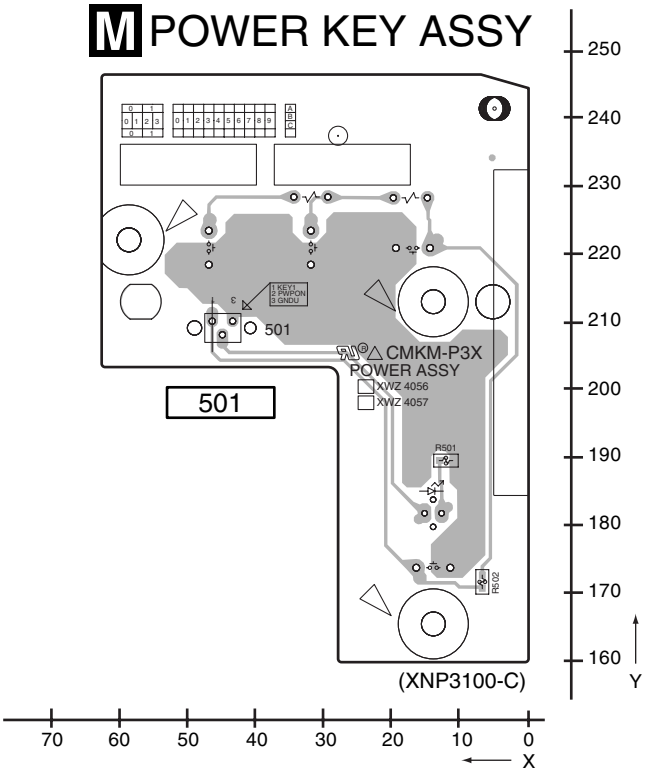


K L

SIDE B

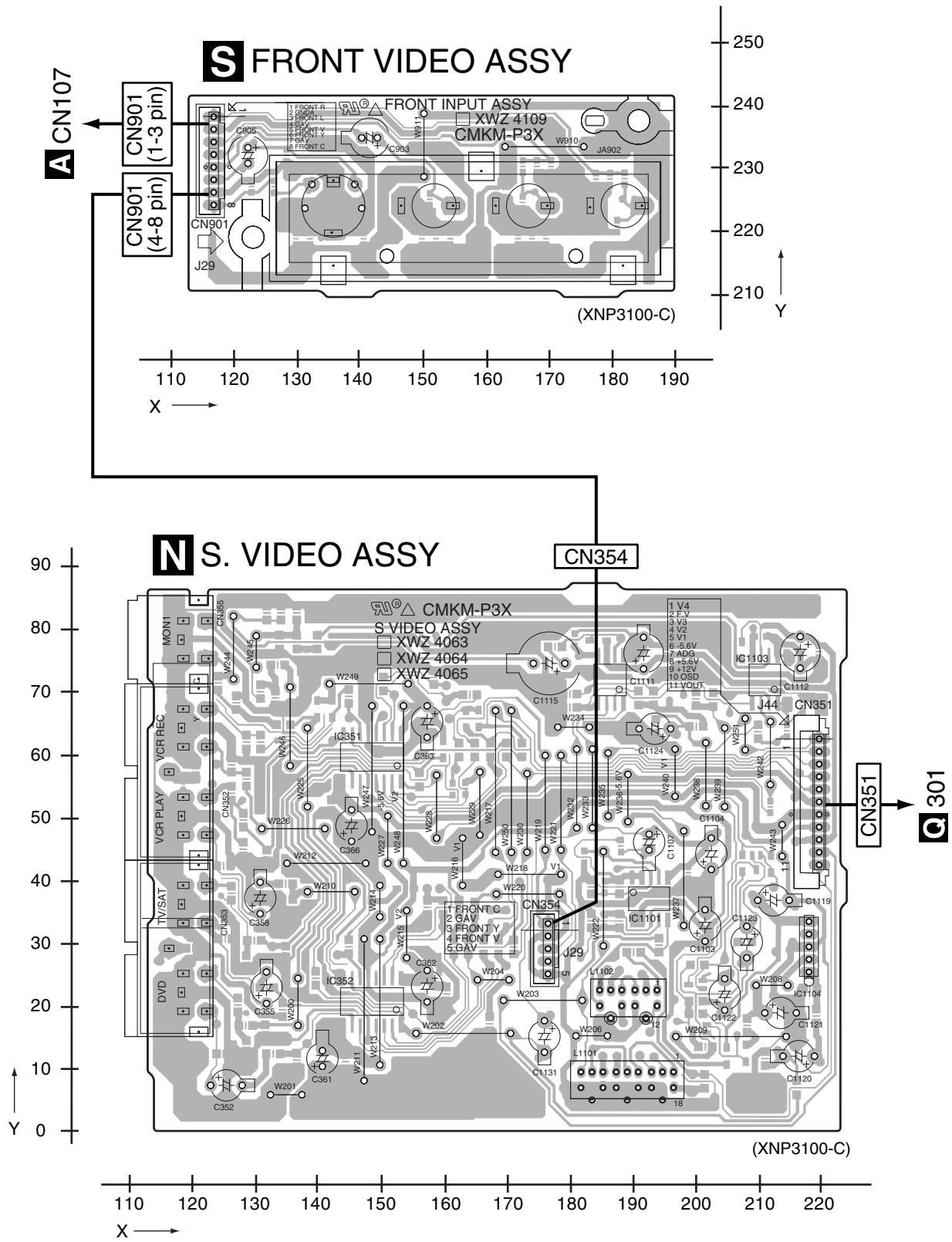


M POWER KEY ASSY



4.10 S. VIDEO and FRONT VIDEO ASSYS

SIDE A **SIDE A**

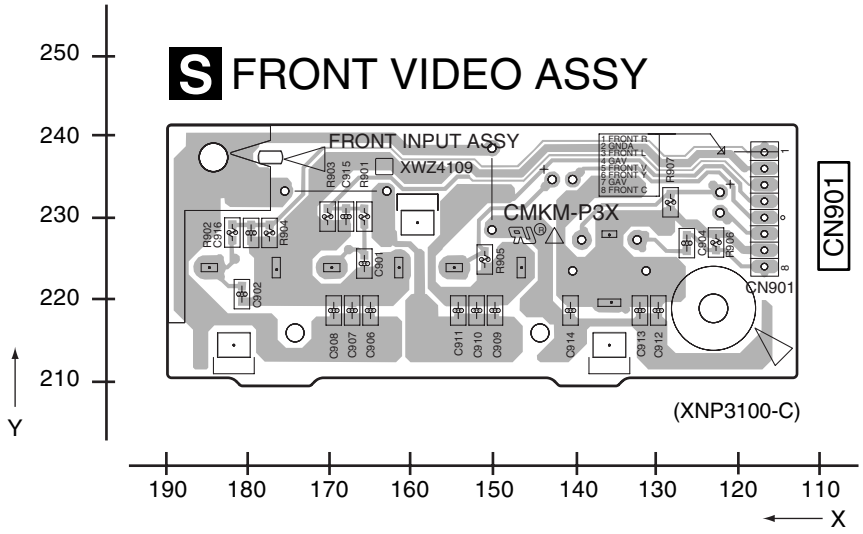


SIDE B

SIDE B

A

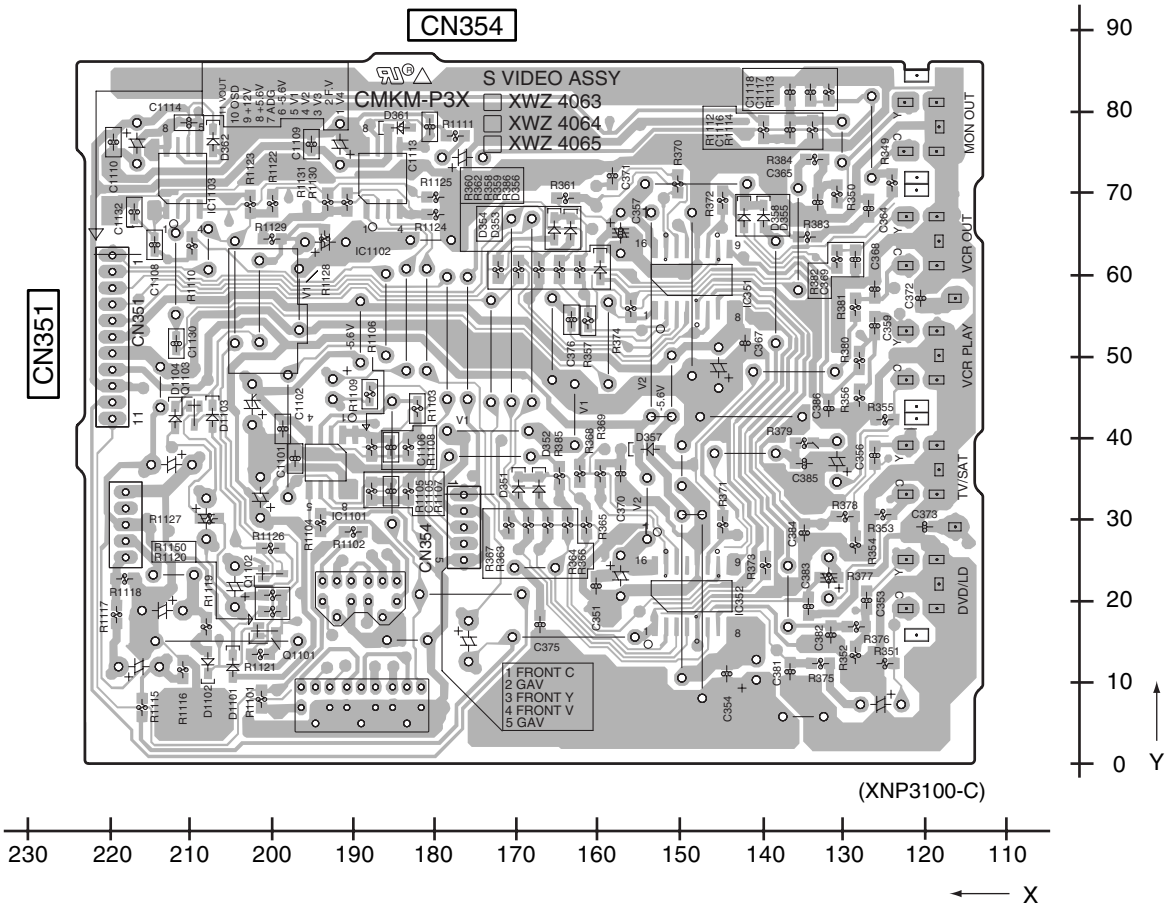
S FRONT VIDEO ASSY



B

C

N S. VIDEO ASSY



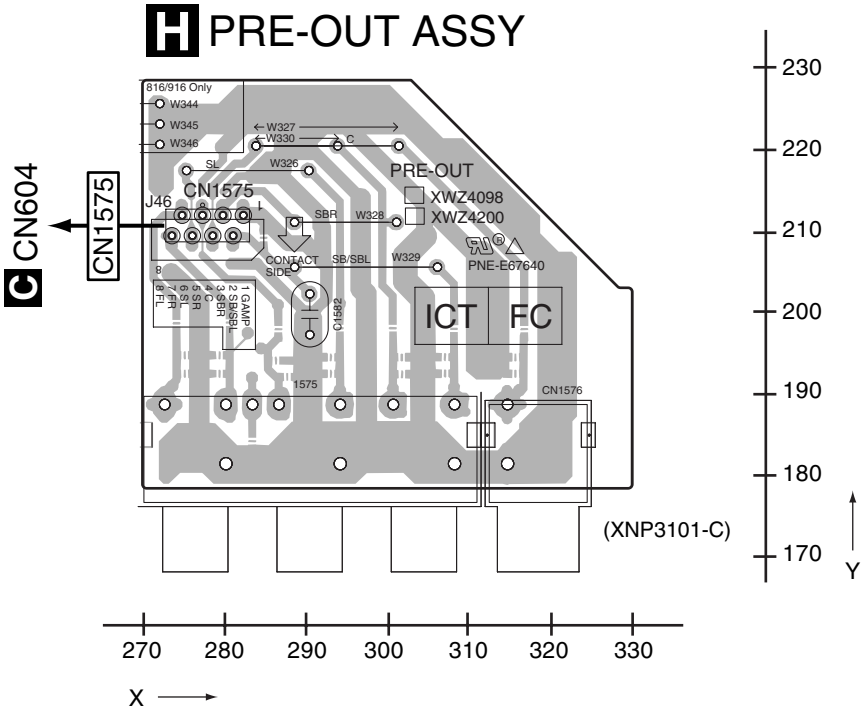
D

E

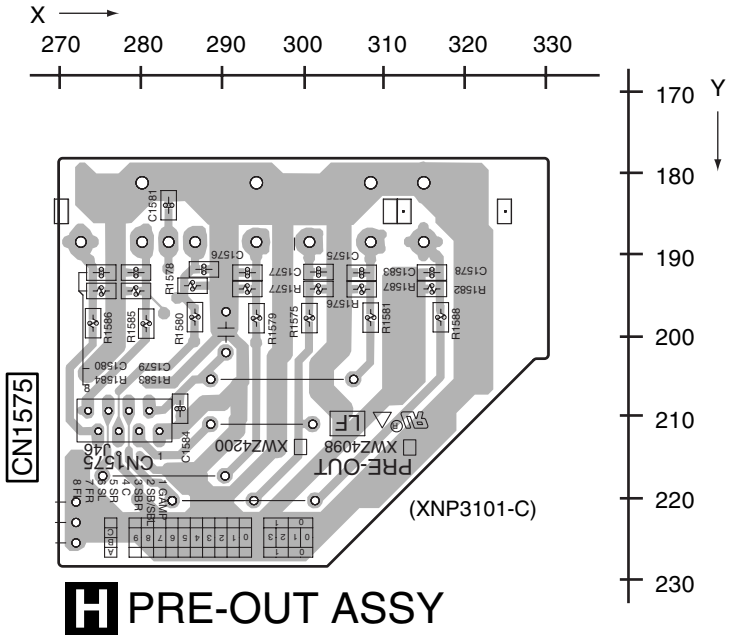
F

4.11 PRE-OUT ASSY

SIDE A



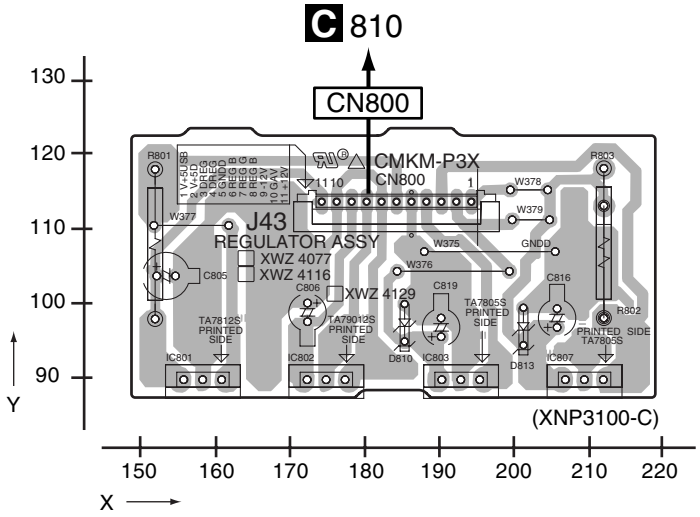
SIDE B



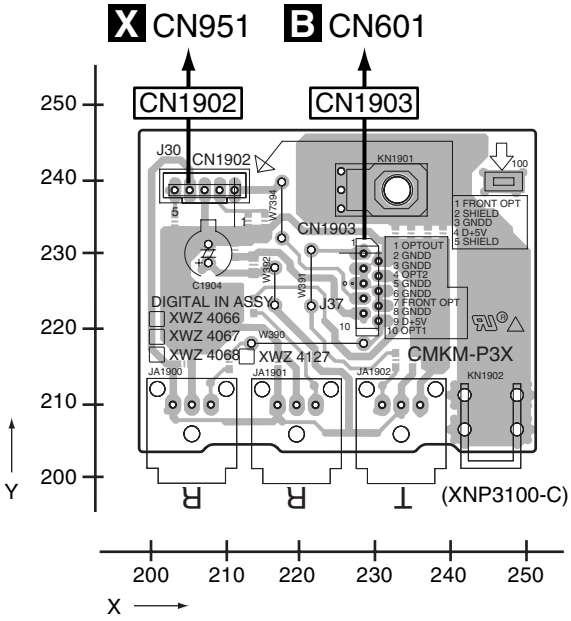
4.12 REGULATOR and DIGITAL IN ASSYS

SIDE A

P REGULATOR ASSY

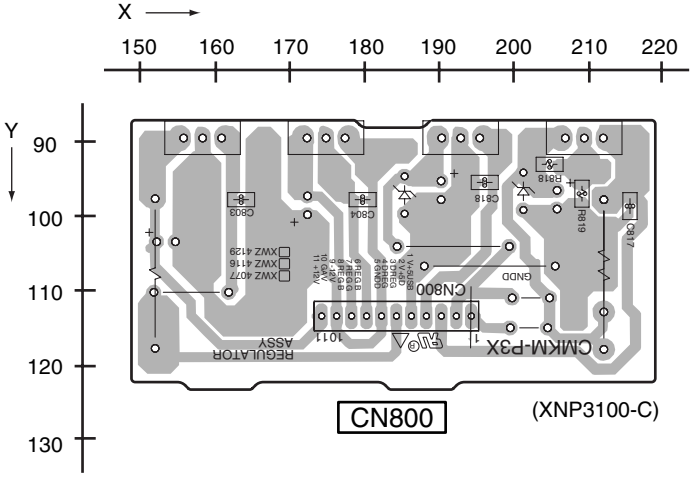


R DIGITAL IN ASSY

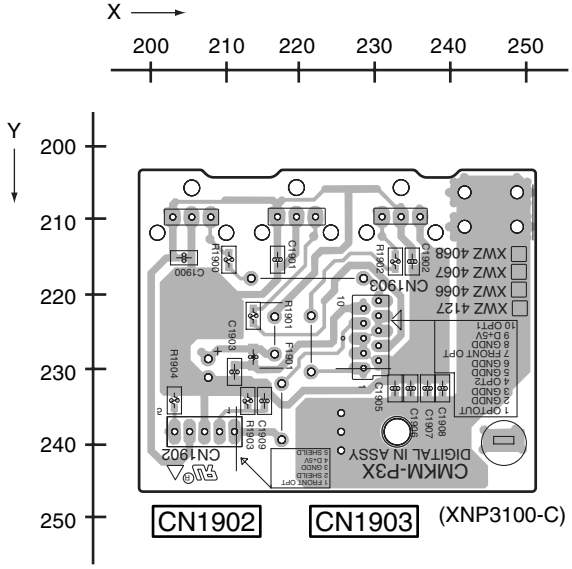


SIDE B

P REGULATOR ASSY

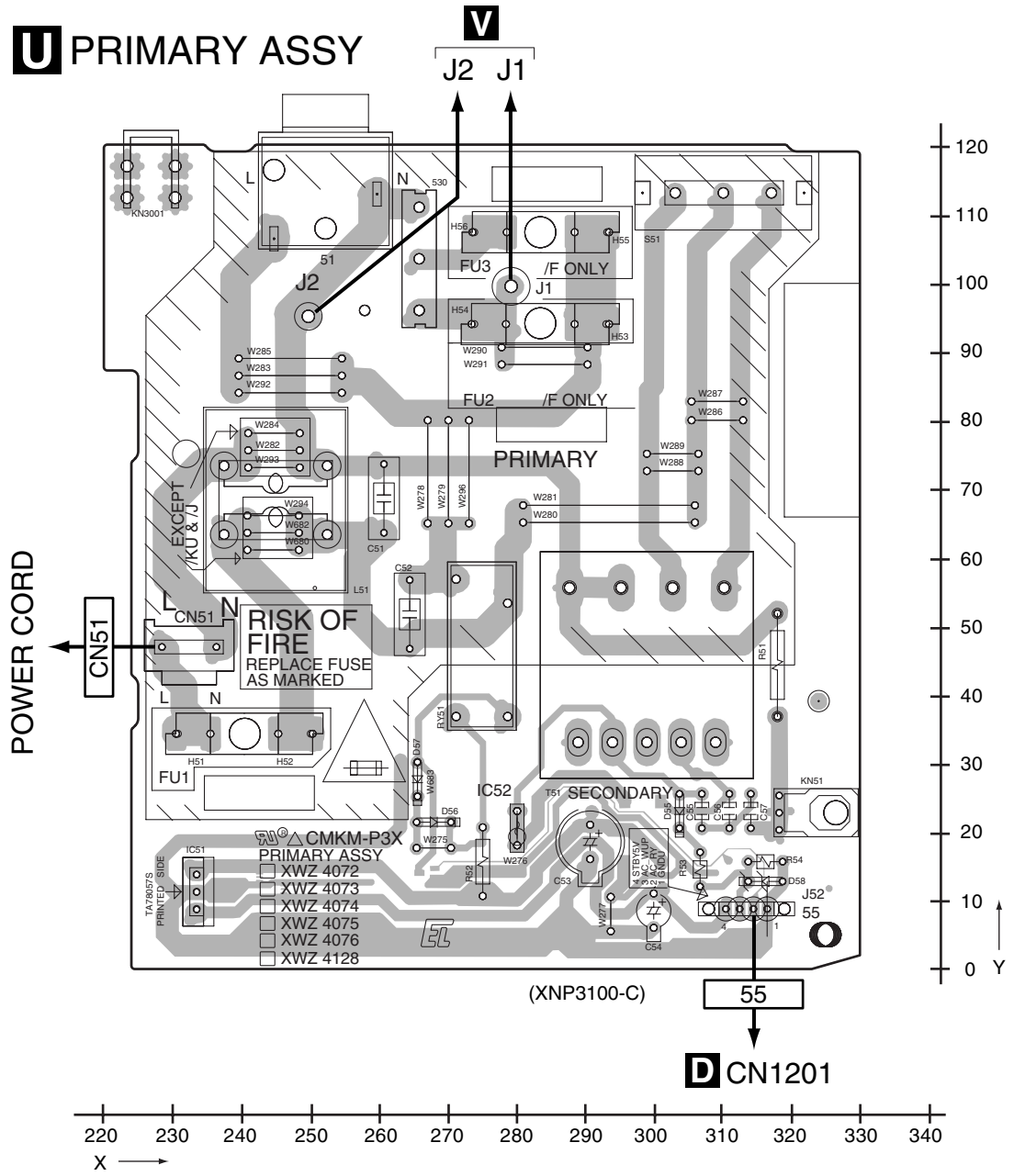


R DIGITAL IN ASSY



4.13 PRIMARY ASSY

SIDE A **SIDE A**

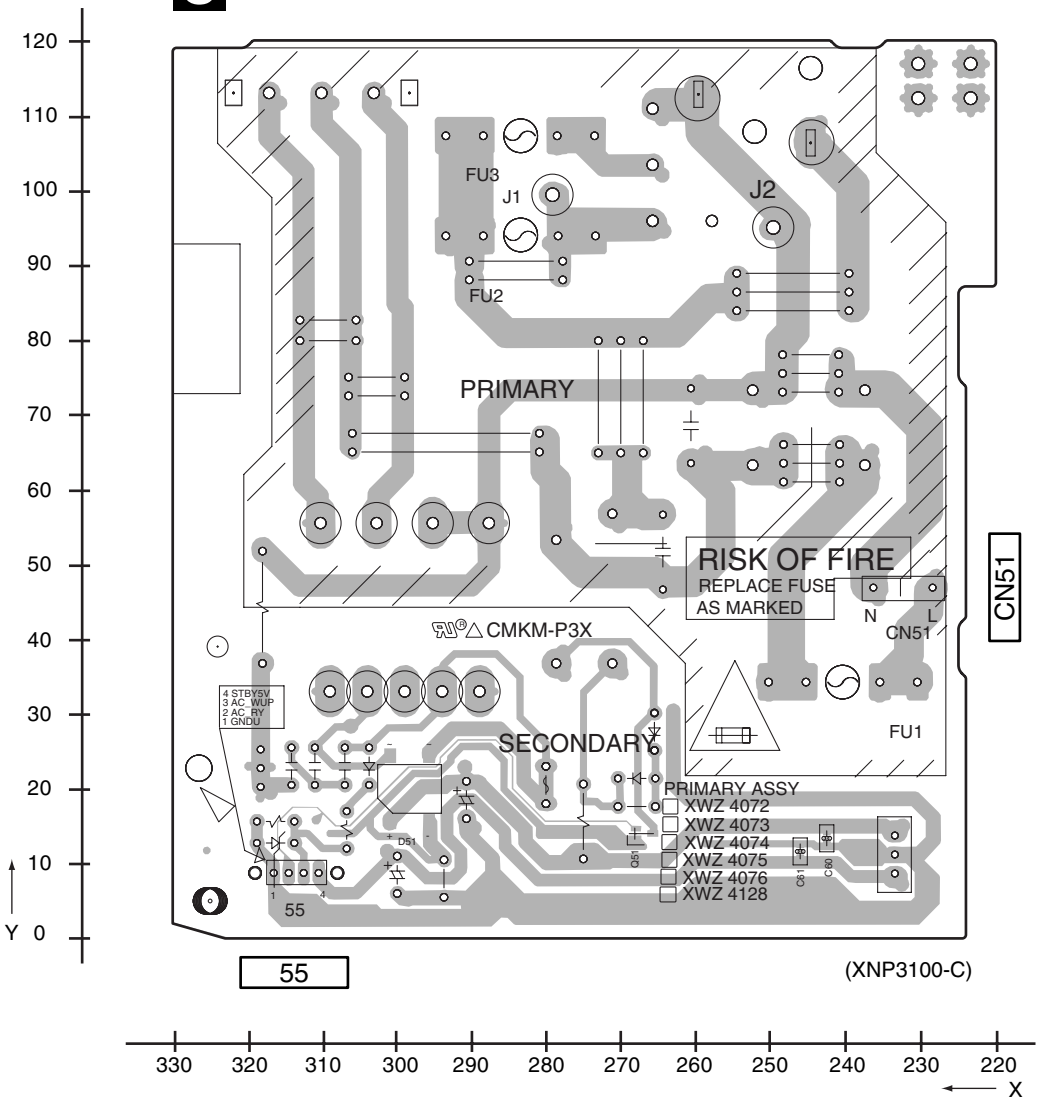


SIDE B

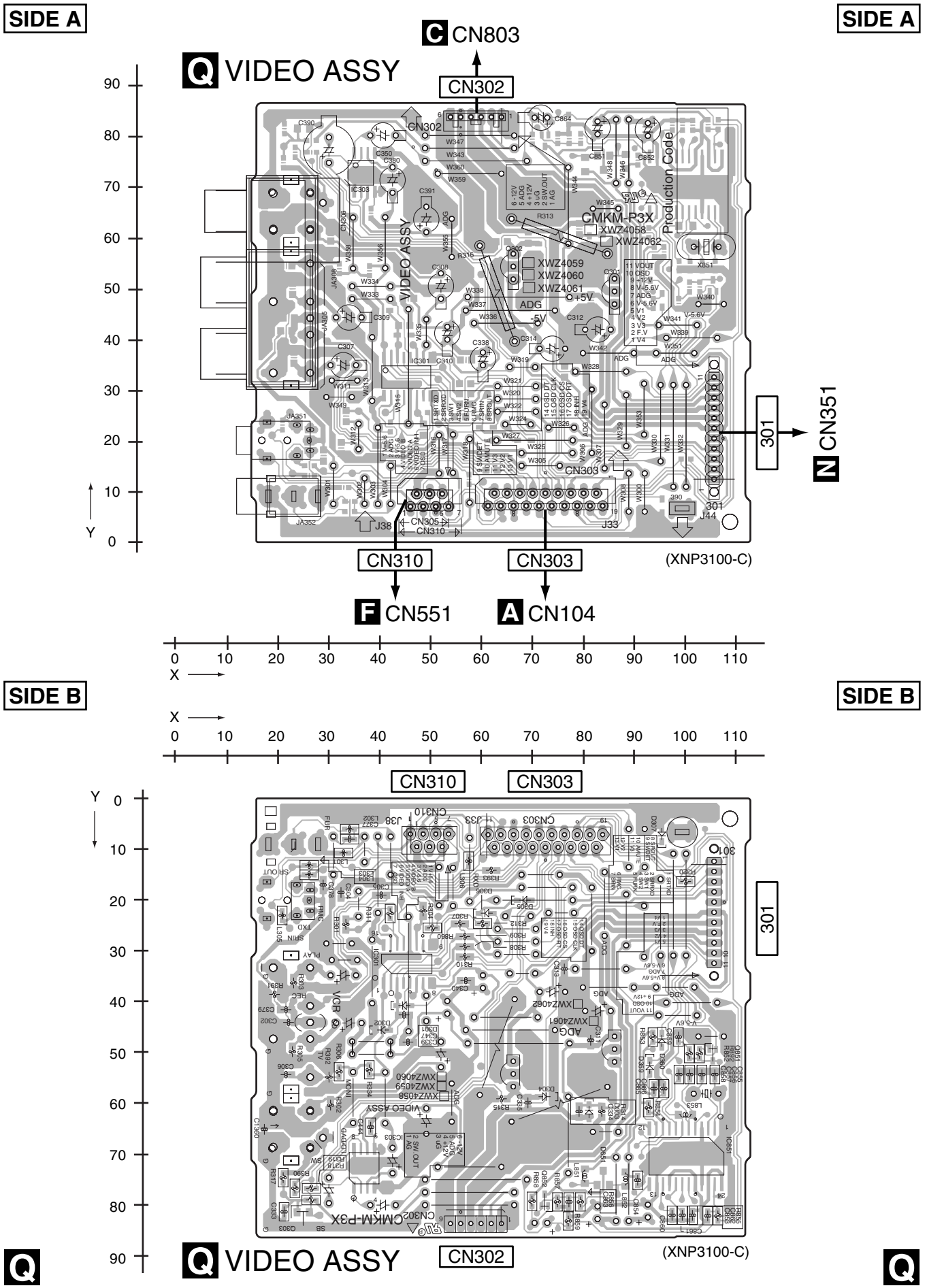
SIDE B

A B C D E F

U PRIMARY ASSY



4.14 VIDEO ASSY



4.15 USB ASSY

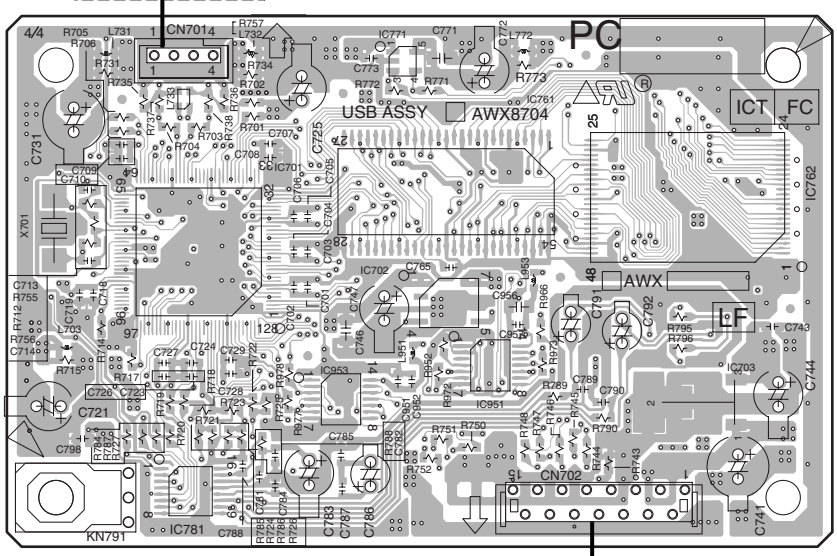
SIDE A

SIDE A

X CN953 VSX-916 ONLY

CN701

W USB ASSY



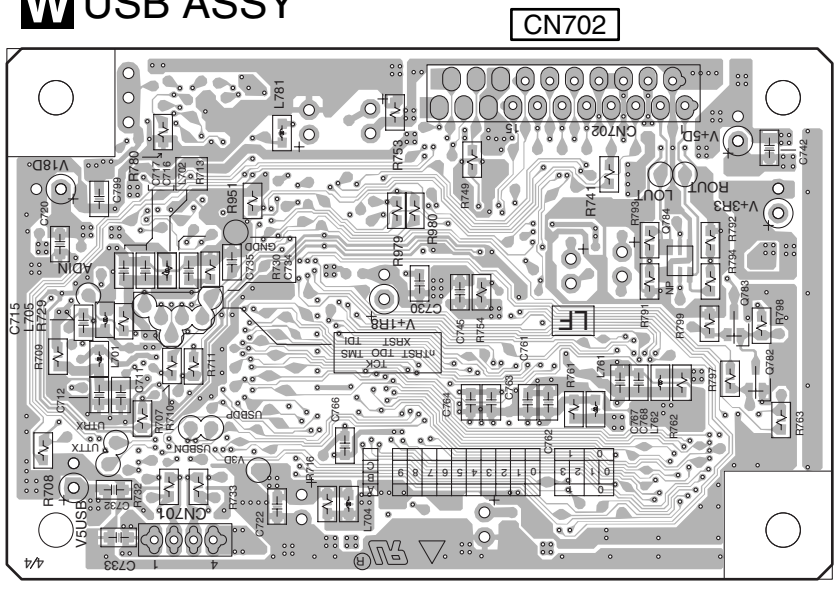
CN702

(ANP7571-B)

C CN812

SIDE B

SIDE B



(ANP7571-B)

W

W

5. PCB PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω → 56 x 10[1] → 561 ····· RD1/4PU 5 6 1 J
47k Ω → 47 x 10[3] → 473 ····· RD1/4PU 4 7 3 J
0.5 Ω → R50 ····· RN2H R 5 0 K
1 Ω → 1R0 ····· RS1P 1 R 0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω → 562 x 10[1] → 5621 ····· RN1/4PC 5 6 2 1 F

- *Meaning of the figures and others in the parentheses in the parts list.*

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

LIST OF ASSEMBLIES

Mark	Symbol and Description	VSX-816 /KUXJ/CA	VSX-916 /MYXJ5
	1..MAIN ASSY	XWK3233	XWK3234
	1..DSP ASSY	AWX8699	AWX8572
NSP	1..AMP ASSY	XWK3224	XWK3225
	2..POWER PACK ASSY	XWZ4087	XWZ4088
	2..TRANS2 ASSY	XWZ4166	XWZ4092
	2..TRANS3 ASSY	XWZ4079	XWZ4079
	2..HEADPHONE ASSY	XWZ4095	XWZ4095
	2..COMPONENT ASSY	XWZ4097	XWZ4097
	2..PRE-OUT ASSY	XWZ4098	XWZ4200
	2..5.1CH INPUT ASSY	XWZ4069	XWZ4069
	2..BINDER ASSY	XWZ4199	XWZ4199
NSP	1..COMPLEX ASSY	XWK3214	XWK3215
	2..FRONT DISPLAY ASSY	XWZ4054	XWZ4054
	2..R. ENCODER ASSY	XWZ4055	XWZ4055
	2..POWER KEY ASSY	XWZ4057	XWZ4057
	2..VIDEO ASSY	XWZ4062	XWZ4062
	2..S. VIDEO ASSY	XWZ4065	XWZ4065
	2..DIGITAL IN ASSY	XWZ4067	XWZ4068
	2..FRONT VIDEO ASSY	XWZ4109	XWZ4109
	2..PRIMARY ASSY	XWZ4072	XWZ4073
	2..REGULATOR ASSY	XWZ4129	XWZ4116
	2..TRANS1 ASSY	XWZ4078	Not used
	2..TRANS4 ASSY	XWZ4093	XWZ4093
	1..USB IN ASSY	XWK3249	XWK3250
	1..USB ASSY	Not used	AWX8704
	1..FM/AM TUNER UNIT	AXX7210	AXX7170

■ CONTRAST OF PCB ASSEMBLIES

D TRANS2 ASSY

XWZ4092 and XWZ4166 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4166	XWZ4092
⚠	IC853 PROTECTOR(5A)	AEK7019	Not used
⚠	IC853 PROTECTOR(7A)	Not used	AEK7021

H PRE-OUT ASSY

XWZ4200 and XWZ4098 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4098	XWZ4200
	C1582	Not used	CQMBA102J50

P REGULATOR ASSY

XWZ4116 and XWZ4129 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4129	XWZ4116
	D810	Not used	MTZJ6.2B
⚠	IC803	Not used	TA7805S
	C818	Not used	CKSRYB103K25
	C819	Not used	CEAT101M10

R DIGITAL IN ASSY

XWZ4068 and XWZ4067 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4067	XWZ4068
	JA1902 OPT. LINK OUT	Not used	GP1FAV51TK0F
	R1902	Not used	RS1/16S101J
	C1902	Not used	CQMBA102J50

U PRIMARY ASSY

XWZ4073 and XWZ4072 are constructed the same except for the following:

Mark	Symbol and Description	XWZ4072	XWZ4073
	D57	Not used	1SS133
⚠	L51	Not used	XTF3004
⚠	T51 STANDBY TRANSFORMER	ATT7043	ATT7040
⚠	51 AC SOCKET 1-P	AKP1060	Not used
⚠	530 3P TERMINAL	Not used	AKC-081
⚠	R51 (2.2M, 1/2W)	RCN1080	Not used

X USB IN ASSY

XWK3250 and XWK3249 are constructed the same except for the following:

Mark	Symbol and Description	XWK3249	XWK3250
	L970	Not used	ATH7015
	CN953 KR CONNECTOR	Not used	B4B-PH-K-S
	JA953 USB CONNECTOR	Not used	XKP3086
	R979, R980	Not used	RS1/16S0R0J
	C969	Not used	CKSRYB104K16
	C970	Not used	CEVW101M16

■ PCB PARTS LIST FOR VSX-816/KUXJ/CA UNLESS OTHER WISE NOTED

Mark	No.	Description	Part No.
		COMPLEX ASSY	
		MISCELLANEOUS	
	J 41	JUMPER WIRE	D15A03-100-2651
	J 42	JUMPER WIRE	D15A07-125-2651
		A MAIN ASSY (XWK3233)	
		MISCELLANEOUS	
	IC 103	(A,198,72) OP-AMP IC	BA4560RF
	IC 104	(A,198,56) OP-AMP IC	BA4560RF
	IC 105	(A,198,87) OP-AMP IC	BA4560RF
	IC 106	(A,198,41) OP-AMP IC	BA4560RF
	IC 107	(A,216,88) OP-AMP IC	BA4560RF
	IC 108	(B,255,64) 8CH E-VOL	R2S15205FP
	IC 110	(A,237,73) IC	TC4066BFN
	IC 251	(A,85,102) OP-AMP IC	HA17558AF
	IC 310	(A,142,40) OP-AMP IC	BA4560RF
	IC 311	(A,152,59) OP-AMP IC	BA4560RF
	IC 312	(A,142,77) OP-AMP IC	BA4560RF
	IC 315	(A,160,90) OP-AMP IC	BA4560RF
	IC 6001	(A,135,21) IC	TC74VHCT125AFTS1
	IC 9001	(B,82,64) CPU	PEG216A
	IC 9002	(A,103,44) EEPROM	BR24L16FV-W

Mark	No.	Description	Part No.
	Q 231	(A,225,69) DIGITAL TR(SC-70)	RT1P241M
	Q 232	(A,229,69) TRANSISTOR	RT1N241M
A	Q 252	(A,68,105) TRANSISTOR	2SD1858X
	Q 253	(A,75,108) TRANSISTOR	RT1N241M
	Q 254	(A,72,98) DIGITAL TR(SC-70)	RT1P241M
	Q 255	(A,75,98) TRANSISTOR	RT1N241M
	Q 256	(A,75,94) CHIP TRANSISTOR	2SD2704K
	Q 257	(A,78,108) TRANSISTOR	2SA1576A
	Q 361	(A,166,78) CHIP TRANSISTOR	2SD2704K
	Q 9001	(A,125,87) DIGITAL TR(SC-70)	RT1N431M
	Q 9002	(A,66,80) DIGITAL TR(SC-70)	RT1P241M
	Q 9003	(A,65,75) DIGITAL TR(SC-70)	RT1P241M
	Q 9007	(A,69,85) TRANSISTOR	DTC143TK
B	Q 9064	(A,59,80) DIGITAL TR(SC-70)	RT1P241M
	Q 9065	(A,55,78) TRANSISTOR	UMD2N
	D 103	(B,173,35) DIODE	DAN217U
	D 105	(B,163,37) DIODE	DAN217U
	D 107	(B,166,37) DIODE	DAN217U
	D 251	(A,83,96) DIODE	DAN217U
	D 253	(A,70,114) DIODE	UDZS27(B)
	D 254	(A,90,104) DIODE	UDZS5R1(B)
	D 311	(B,259,93) DIODE	1SS355
	D 312	(B,268,93) DIODE	1SS355
	D 331	(B,260,87) DIODE	UDZS6R8(B)
C	D 332	(B,263,87) DIODE	UDZS6R8(B)
	D 6001	(A,149,22) DIODE	1SS355
	D 9001	(A,125,103) DIODE	DAP202U
	D 9002	(A,119,103) DIODE	DAP202U
	D 9003	(A,122,103) DIODE	DAN202U
	D 9006	(B,99,89) DIODE	DAN217U
	D 9007	(B,91,89) DIODE	DAN217U
	D 9010	(A,128,88) DIODE	1SS355
	D 9011	(A,60,75) DIODE	DAN202U
	D 9064	(A,58,75) DIODE	DAP202U
	D 9065	(A,63,80) DIODE	DAP202U
D	D 9068	(A,53,81) DIODE	1SS355
	L 101	(B,260,98) CHIP SOLID INDUCTOR	QTL1013
	L 102	(B,265,97) CHIP SOLID INDUCTOR	QTL1013
	L 5002	(A,257,104) CHIP SOLID INDUCTOR	QTL1013
	L 9001	(A,123,107) CHIP SOLID INDUCTOR	ATL7002
	L 9002	(A,121,107) CHIP SOLID INDUCTOR	ATL7002
	L 9003	(A,106,98) RADIAL INDUCTOR	LFCA2R2J
	X 9001	(A,96,53) CERAMIC RESONATOR (15.7 MHz)	XSS3004
	CN101	(A,41,27) CONNECTOR	CKS3382
	CN103	(A,230,17) 11P CONNECTOR	52044-1145
E	CN104	(A,250,13) CONNECTOR	CKS3384
	CN105	(A,266,34) CONNECTOR	CKS3372
	CN106	(A,101,18) 12P CONNECTOR	VKN1243
	CN107	(A,39,99) CONNECTOR POST	B3B-PH
	CN108	(A,41,55) CONNECTOR	CKS3370
	CN109	(A,230,113) 19P SOCKET	XKP3054
	CN111	(A,276,113) 21P SOCKET	XKP3091
	CN112	(A,91,41) CONNECTOR	CKS3382
	CN114	(A,189,113) 21P SOCKET	XKP3091
	CN115	(A,302,21) PIN JACK(4P)	AKB7114
F	CN116	(A,302,49) PIN JACK(4P)	AKB7114
	CN117	(A,302,77) PIN JACK(4P)	AKB7114
	CN118	(A,302,105) PIN JACK(4P)	AKB7114
	CN251	(A,39,83) 3P JUMPER CONNECTOR	52147-0310
	CN252	(A,37,69) 3P TOP POST	B3B-EH
	101	PCB BINDER	VEF1040
	102	PCB BINDER	VEF1040

RESISTORS

	R 101	(B,282,19)	RS1/16S331J
	R 102	(B,293,12)	RS1/16S331J
	R 103	(B,283,62)	RS1/16S222J
	R 104	(B,283,52)	RS1/16S222J
	R 105	(B,283,47)	RS1/16S331J
	R 106	(B,293,40)	RS1/16S331J
	R 107	(B,283,87)	RS1/16S331J
	R 108	(B,293,81)	RS1/16S331J
	R 109	(B,283,73)	RS1/16S331J
	R 110	(B,293,68)	RS1/16S331J
	R 111	(B,283,115)	RS1/16S222J
	R 112	(B,283,106)	RS1/16S222J
	R 113	(B,283,101)	RS1/16S331J
	R 114	(B,293,96)	RS1/16S331J
	R 129	(B,283,34)	RS1/16S331J
	R 130	(B,283,25)	RS1/16S331J
	R 145	(A,71,73)	RS1/16S102J
	R 146	(A,71,74)	RS1/16S102J
	R 147	(B,233,67)	RS1/16S472J
	R 148	(B,228,62)	RS1/16S472J
	R 149	(A,259,45)	RS1/16S104J
	R 154	(B,294,51)	RS1/16S0R0J
	R 155	(B,293,58)	RS1/16S0R0J
	R 156	(B,295,107)	RS1/16S0R0J
	R 157	(B,293,114)	RS1/16S0R0J
	R 180	(B,278,97)	RS1/16S0R0J
	R 181	(B,272,78)	RS1/16S0R0J
	R 182	(B,275,75)	RS1/16S0R0J
	R 183	(B,276,67)	RS1/16S0R0J
	R 201	(A,189,85)	RS1/16S473J
	R 202	(A,189,90)	RS1/16S473J
	R 203	(B,187,85)	RS1/16S392J
	R 204	(B,187,91)	RS1/16S392J
	R 205	(B,189,85)	RS1/16S392J
	R 206	(B,189,91)	RS1/16S392J
	R 207	(B,191,85)	RS1/16S392J
	R 208	(B,191,91)	RS1/16S392J
	R 209	(B,198,85)	RS1/16S392J
	R 210	(B,198,91)	RS1/16S392J
	R 211	(B,200,85)	RS1/16S332J
	R 212	(B,200,91)	RS1/16S332J
	R 213	(B,202,85)	RS1/16S680J
	R 214	(B,202,91)	RS1/16S680J
	R 219	(B,216,84)	RS1/16S0R0J
	R 220	(B,215,91)	RS1/16S0R0J
	R 221	(B,220,84)	RS1/16S472J
	R 222	(B,219,91)	RS1/16S472J
	R 223	(A,242,78)	RS1/16S472J
	R 224	(A,236,78)	RS1/16S472J
	R 225	(B,225,84)	RS1/16S392J
	R 226	(B,225,91)	RS1/16S392J
	R 227	(B,231,84)	RS1/16S101J
	R 228	(B,233,89)	RS1/16S101J
	R 231	(A,229,72)	RS1/16S104J
	R 233	(A,231,91)	RS1/16S474J

Mark No.	Description	Part No.
R 234	(A,231,84)	RS1/16S474J
R 237	(A,237,88)	RS1/16S122J
R 238	(A,236,80)	RS1/16S122J
R 241	(A,190,69)	RS1/16S473J
R 242	(A,190,74)	RS1/16S473J
R 243	(B,186,69)	RS1/16S332J
R 244	(B,186,75)	RS1/16S332J
R 245	(B,188,69)	RS1/16S332J
R 246	(B,188,75)	RS1/16S332J
R 247	(B,190,69)	RS1/16S332J
R 248	(B,190,75)	RS1/16S332J
R 249	(B,197,69)	RS1/16S332J
R 250	(B,197,75)	RS1/16S332J
R 251	(B,199,69)	RS1/16S182J
R 252	(B,199,75)	RS1/16S182J
R 253	(B,202,69)	RS1/16S0R0J
R 254	(B,202,75)	RS1/16S0R0J
R 257	(B,213,69)	RS1/16S101J
R 258	(B,213,75)	RS1/16S101J
R 261	(A,189,53)	RS1/16S473J
R 262	(A,189,59)	RS1/16S473J
R 263	(B,186,53)	RS1/16S332J
R 264	(B,186,60)	RS1/16S332J
R 265	(B,188,53)	RS1/16S332J
R 266	(B,188,60)	RS1/16S682J
R 267	(B,190,53)	RS1/16S332J
R 268	(B,190,60)	RS1/16S393J
R 269	(B,197,53)	RS1/16S332J
R 270	(B,197,60)	RS1/16S122J
R 271	(B,199,53)	RS1/16S182J
R 272	(B,199,60)	RS1/16S272J
R 273	(B,202,53)	RS1/16S0R0J
R 274	(B,202,60)	RS1/16S271J
R 277	(B,214,53)	RS1/16S101J
R 278	(B,213,61)	RS1/16S101J
R 280	(A,65,113)	RS1/16S0R0J
R 281	(A,188,44)	RS1/16S473J
R 282	(A,188,38)	RS1/16S473J
R 283	(B,186,45)	RS1/16S332J
R 284	(B,186,38)	RS1/16S332J
R 285	(B,188,45)	RS1/16S332J
R 286	(B,188,38)	RS1/16S332J
R 287	(B,191,45)	RS1/16S332J
R 288	(B,191,38)	RS1/16S332J
R 289	(B,197,45)	RS1/16S332J
R 290	(B,197,38)	RS1/16S332J
R 291	(B,200,45)	RS1/16S182J
R 292	(B,199,39)	RS1/16S182J
R 293	(B,202,45)	RS1/16S0R0J
R 294	(B,202,39)	RS1/16S0R0J
R 297	(B,214,44)	RS1/16S101J
R 298	(B,214,39)	RS1/16S101J
R 303	(B,156,37)	RS1/16S101J
R 304	(B,155,43)	RS1/16S101J
R 305	(B,160,49)	RS1/16S101J
R 306	(B,164,61)	RS1/16S101J
R 307	(B,165,68)	RS1/16S101J
R 308	(B,171,72)	RS1/16S101J
R 311	(A,258,102) METAL OXIDE RESISTOR	RS1LMF101J
R 312	(A,266,102) METAL OXIDE RESISTOR	RS1LMF101J

Mark No.	Description	Part No.
R 427	(A,133,93)	RS1/16S104J
R 431	(A,131,93)	RS1/16S104J
R 432	(A,127,93)	RS1/16S104J
R 433	(A,128,93)	RS1/16S104J
R 434	(A,134,93)	RS1/16S104J
R 435	(A,126,93)	RS1/16S104J
R 436	(A,130,93)	RS1/16S104J
R 438	(A,81,98)	RS1/16S104J
R 439	(A,86,96)	RS1/16S104J
R 440	(A,81,108)	RS1/16S754J
R 441	(A,79,98)	RS1/16S222J
R 442	(A,77,98)	RS1/16S104J
R 443	(A,63,104)	RS1/16S471J
R 445	(A,73,108)	RS1/16S223J
R 446	(A,74,113)	RS1/16S104J
R 447	(A,88,94)	RS1/16S472J
R 448	(A,89,104)	RS1/16S104J
R 449	(A,80,108)	RS1/16S102J
R 453	(A,146,35)	RS1/16S102J
R 454	(A,142,46)	RS1/16S102J
R 455	(A,146,38)	RS1/16S272J
R 456	(A,147,43)	RS1/16S272J
R 457	(A,140,35)	RS1/16S153J
R 458	(A,140,46)	RS1/16S153J
R 459	(B,133,38)	RS1/16S103J
R 460	(B,133,43)	RS1/16S103J
R 461	(B,145,39)	RS1/16S104J
R 462	(B,145,43)	RS1/16S104J
R 464	(A,78,102)	RS1/16S0R0J
R 473	(A,151,53)	RS1/16S102J
R 474	(A,152,65)	RS1/16S102J
R 475	(A,157,52)	RS1/16S272J
R 476	(A,158,66)	RS1/16S272J
R 477	(A,149,52)	RS1/16S153J
R 478	(A,150,65)	RS1/16S153J
R 479	(B,142,57)	RS1/16S103J
R 480	(B,142,62)	RS1/16S103J
R 481	(B,154,58)	RS1/16S104J
R 482	(B,154,62)	RS1/16S104J
R 483	(B,144,76)	RS1/16S104J
R 484	(A,165,71)	RS1/16S104J
R 485	(A,157,80)	RS1/16S472J
R 488	(A,165,73)	RS1/16S0R0J
R 493	(A,141,71)	RS1/16S102J
R 494	(A,141,83)	RS1/16S911J
R 495	(A,147,71)	RS1/16S272J
R 496	(A,148,83)	RS1/16S272J
R 497	(A,139,69)	RS1/16S153J
R 498	(A,139,83)	RS1/16S153J
R 499	(B,133,72)	RS1/16S103J
R 500	(B,133,79)	RS1/16S103J
R 502	(B,144,80)	RS1/16S204J
R 504	(B,171,86)	RS1/16S222J
R 505	(B,170,92)	RS1/16S222J
R 506	(B,165,87)	RS1/16S104J
R 507	(B,163,92)	RS1/16S104J
R 508	(A,162,82)	RS1/16S272J
R 509	(A,162,96)	RS1/16S272J
R 512	(A,159,83)	RS1/16S102J
R 513	(A,159,96)	RS1/16S102J

Mark No.	Description	Part No.
R 514	(A,157,83)	RS1/16S153J
R 515	(A,157,96)	RS1/16S153J
R 516	(B,150,89)	RS1/16S103J
R 517	(B,150,96)	RS1/16S103J
R 6001	(A,132,18)	RS1/16S104J
R 6002	(A,139,24)	RS1/16S104J
R 6003	(A,140,18)	RS1/16S104J
R 6004	(A,151,22)	RS1/16S101J
R 6007	(B,128,14)	RS1/16S102J
R 6009	(A,130,23)	RS1/16S101J
R 6010	(A,147,23)	RS1/16S182J
R 9002	(A,129,89)	RS1/16S473J
R 9005	(A,91,55)	RS1/16S0R0J
R 9006	(B,103,89)	RS1/16S474J
R 9007	(B,93,89)	RS1/16S474J
R 9008	(A,86,90)	RS1/16S221J
R 9009	(A,65,85)	RS1/16S473J
R 9010	(B,115,45)	RS1/16S512J
R 9011	(A,63,76)	RS1/16S102J
R 9012	(A,63,73)	RS1/16S0R0J
R 9013	(B,112,45)	RS1/16S471J
R 9014	(B,104,54)	RS1/16S471J
R 9015	(B,101,54)	RS1/16S471J
R 9016	(B,99,54)	RS1/16S471J
R 9017	(B,97,54)	RS1/16S471J
R 9018	(B,95,54)	RS1/16S471J
R 9019	(B,98,76)	RS1/16S471J
R 9020	(B,99,76)	RS1/16S471J
R 9021	(B,101,76)	RS1/16S471J
R 9022	(B,103,76)	RS1/16S471J
R 9023	(B,103,68)	RS1/16S472J
R 9024	(B,105,68)	RS1/16S472J
R 9025	(B,101,68)	RS1/16S472J
R 9026	(B,107,68)	RS1/16S751J
R 9028	(B,119,45)	RS1/16S104J
R 9030	(A,68,79)	RS1/16S470J
R 9031	(B,69,48)	RS1/16S104J
R 9032	(A,66,59)	RS1/16S104J
R 9033	(B,89,48)	RS1/16S104J
R 9036	(A,88,89)	RS1/16S221J
R 9037	(A,124,99)	RS1/16S104J
R 9039	(A,87,58)	RS1/16S104J
R 9041	(B,117,45)	RS1/16S104J
R 9042	(B,83,81)	RS1/16S103J
R 9043	(B,81,81)	RS1/16S103J
R 9044	(B,79,81)	RS1/16S103J
R 9045	(A,98,46)	RS1/16S471J
R 9046	(A,107,45)	RS1/16S471J
R 9047	(A,99,46)	RS1/16S103J
R 9048	(A,98,43)	RS1/16S103J
R 9049	(A,114,72)	RS1/16S221J
R 9050	(A,108,68)	RS1/16S221J
R 9051	(A,101,29)	RS1/16S221J
R 9052	(A,109,25)	RS1/16S221J
R 9053	(A,106,26)	RS1/16S221J
R 9054	(A,105,15)	RS1/16S221J
R 9060	(B,98,68)	RS1/16S473J
R 9062	(B,87,48)	RS1/16S471J
R 9064	(A,54,74)	RS1/16S103J
R 9065	(A,56,74)	RS1/16S103J
R 9066	(A,62,72)	RS1/16S103J
R 9067	(A,57,83)	RS1/16S103J
R 9068	(A,64,71)	RS1/16S0R0J
R 9080	(A,98,16)	RS1/16S103J
R 9081	(A,120,72)	RS1/16S221J
R 9082	(A,122,69)	RS1/16S274J

CAPACITORS

C 115	(B,262,98)	CKSRYB103K50
C 116	(B,267,97)	CKSRYB103K50
C 117	(A,287,109)	CCSRCH220J50
C 118	(B,285,109)	CCSRCH220J50
C 121	(A,280,34)	CEAT100M50
C 122	(A,280,25)	CEAT100M50
C 123	(A,280,19)	CEAT100M50
C 124	(A,280,11)	CEAT100M50
C 125	(A,280,62)	CEAT100M50
C 126	(A,280,53)	CEAT100M50
C 127	(A,280,47)	CEAT100M50
C 128	(A,280,40)	CEAT100M50
C 131	(A,280,87)	CEAT100M50
C 132	(A,280,80)	CEAT100M50
C 133	(A,280,74)	CEAT100M50
C 134	(A,280,67)	CEAT100M50
C 135	(A,280,114)	CEAT100M50
C 136	(A,280,106)	CEAT100M50
C 137	(A,280,101)	CEAT100M50
C 138	(A,280,93)	CEAT100M50
C 139	(A,53,95)	CEAT100M50
C 140	(A,53,100)	CEAT100M50
C 141	(A,256,82)	CKSRYB104K50
C 145	(B,256,81)	CCSRCH101J50
C 146	(B,258,81)	CCSRCH101J50
C 147	(B,253,81)	CKSRYB103K50
C 148	(B,238,67)	CKSRYB223K25
C 149	(B,235,67)	CKSRYB473K25
C 150	(B,231,67)	CKSQYB154K16
C 151	(B,49,51)	CKSRYB103K50
C 152	(B,230,62)	CKSRYB223K25
C 153	(B,234,62)	CKSRYB473K25
C 154	(B,232,62)	CKSQYB154K16
C 155	(A,226,62)	CEAT101M16
C 156	(A,229,56)	CEAT101M16
C 157	(A,236,56)	CEAT101M16
C 158	(A,232,50)	CEAT101M16
C 159	(A,241,50)	CEAT101M16
C 160	(A,234,44)	CEAT101M16
C 161	(A,241,44)	CEAT101M16
C 162	(A,248,44)	CEAT101M16
C 165	(A,240,86)	CEAT1R0M50
C 166	(A,248,86)	CEAT1R0M50
C 179	(B,294,76)	CKSRYB103K50
C 180	(A,277,16)	CKSRYB103K50
C 199	(A,281,50)	CKSRYB103K50
C 201	(A,183,85)	CEAT2R2M50
C 202	(A,184,92)	CEAT2R2M50
C 203	(A,191,85)	CCSRCH471J50
C 204	(A,191,90)	CCSRCH471J50
C 205	(A,193,85)	CCSRCH331J50

Mark No.	Description	Part No.
C 206	(A,194,90)	CCSRCH331J50
C 207	(B,193,85)	CCSRCH331J50
C 208	(B,193,91)	CCSRCH331J50
C 213	(A,223,84)	CEAT100M50
C 214	(A,223,90)	CEAT100M50
C 215	(B,233,84)	CKSRYB103K50
C 216	(B,231,89)	CKSRYB103K50
C 217	(A,202,85)	CKSRYB103K50
C 218	(A,202,90)	CKSRYB103K50
C 219	(A,221,87)	CKSRYB104K16
C 220	(A,210,93)	CKSRYB104K16
C 221	(A,230,75)	CKSRYB103K50
C 222	(A,243,70)	CKSRYB103K50
C 241	(A,183,70)	CEAT2R2M50
C 242	(A,183,77)	CEAT2R2M50
C 243	(A,192,69)	CCSRCH101J50
C 244	(A,192,74)	CCSRCH101J50
C 245	(A,194,69)	CCSRCH331J50
C 246	(A,194,74)	CCSRCH331J50
C 247	(B,193,69)	CCSRCH331J50
C 248	(B,193,75)	CCSRCH331J50
C 249	(A,205,69)	CEAT100M50
C 250	(A,205,75)	CEAT100M50
C 251	(A,204,65)	CKSRYB103K50
C 252	(A,211,78)	CKSRYB103K50
C 253	(B,43,89)	CKSRYB103K50
C 254	(A,58,108) ELECT. CAPACITOR	CEAT101M25
C 255	(A,51,108) ELECT. CAPACITOR	CEANP470M25
C 256	(A,81,105)	CKSRYB103K50
C 257	(B,216,69)	CKSRYB472K50
C 258	(B,217,75)	CKSRYB472K50
C 261	(A,183,54)	CEAT2R2M50
C 262	(A,183,62)	CEAT2R2M50
C 263	(A,192,53)	CCSRCH101J50
C 264	(A,191,59)	CKSRYB223K25
C 265	(A,194,53)	CCSRCH331J50
C 266	(A,194,59)	CKSRYB103K50
C 267	(B,193,53)	CCSRCH331J50
C 268	(B,193,60)	CKSRYB562K50
C 269	(A,205,54)	CEAT100M50
C 270	(A,205,60)	CEAT100M50
C 271	(A,203,51)	CKSRYB103K50
C 272	(A,210,64)	CKSRYB103K50
C 277	(B,216,53)	CKSRYB472K50
C 278	(B,215,61)	CKSRYB472K50
C 281	(A,183,46)	CEAT2R2M50
C 282	(A,184,39)	CEAT2R2M50
C 283	(A,190,44)	CCSRCH101J50
C 284	(A,190,38)	CCSRCH101J50
C 285	(A,194,44)	CCSRCH331J50
C 286	(A,194,38)	CCSRCH331J50
C 287	(B,193,45)	CCSRCH331J50
C 288	(B,193,38)	CCSRCH331J50
C 289	(A,205,44)	CEAT100M50
C 290	(A,206,38)	CEAT100M50
C 291	(A,216,39)	CKSRYB103K50
C 292	(A,216,48)	CKSRYB103K50
C 297	(B,218,44)	CKSRYB472K50
C 298	(B,216,39)	CKSRYB472K50
C 321	(A,153,38)	CEAT100M50
C 322	(A,153,45)	CEAT100M50
C 323	(A,145,35)	CCSRCH101J50
C 324	(A,140,47)	CCSRCH101J50
C 325	(A,136,39) ELECT. CAPACITOR	CEAT220M50
C 326	(A,136,46) ELECT. CAPACITOR	CEAT220M50
C 327	(A,132,42)	CKSRYB103K50
C 328	(A,132,38)	CKSRYB103K50
C 333	(A,255,93)	CEAT101M10
C 334	(A,268,81)	CEAT101M10
C 341	(A,161,56)	CEAT100M50
C 342	(A,161,63)	CEAT100M50
C 343	(A,149,51)	CCSRCH101J50
C 344	(A,150,66)	CCSRCH101J50
C 345	(A,145,56) ELECT. CAPACITOR	CEAT220M50
C 346	(A,145,63) ELECT. CAPACITOR	CEAT220M50
C 347	(A,140,64)	CKSRYB103K50
C 348	(A,141,58)	CKSRYB103K50
C 361	(A,161,70)	CEAT100M50
C 362	(A,169,70)	CEAT100M50
C 363	(A,139,68)	CCSRCH101J50
C 364	(A,139,84)	CKSRYB472K50
C 365	(A,136,73) ELECT. CAPACITOR	CEAT220M50
C 366	(A,136,80) ELECT. CAPACITOR	CEANP4R7M50
C 367	(A,135,88)	CKSRYB103K50
C 368	(A,147,75)	CKSRYB103K50
C 370	(A,161,74)	CEAT4R7M50
C 384	(A,167,87)	CEAT100M50
C 385	(A,167,94)	CEAT100M50
C 386	(A,157,84)	CCSRCH101J50
C 387	(A,157,95)	CCSRCH101J50
C 388	(A,153,90) ELECT. CAPACITOR	CEAT220M50
C 389	(A,153,97) ELECT. CAPACITOR	CEAT220M50
C 390	(A,164,88)	CKSRYB103K50
C 392	(B,91,95)	CKSRYB102K50
C 393	(A,156,92)	CKSRYB103K50
C 1031	(A,286,57)	CCSRCH220J50
C 1041	(B,287,55)	CCSRCH220J50
C 5001	(B,233,10)	CKSRYB102K50
C 5002	(B,235,10)	CKSRYB103K50
C 5003	(B,237,10)	CKSRYB105K10
C 5025	(A,166,12)	CKSRYB102K50
C 5026	(A,169,13)	CKSRYB102K50
C 5027	(A,177,12)	CKSRYB102K50
C 5028	(A,179,13)	CCSRCH220J50
C 6001	(A,139,18)	CKSRYB104K16
C 9004	(A,121,94)	CKSRYB103K50
C 9005	(A,116,99)	CEJQ2R2M50
C 9006	(A,122,88)	CKSRYB105K10
C 9007	(A,79,92) ELECT. CAPACITOR	CEAT331M6R3
C 9008	(B,77,90)	CKSRYB103K50
C 9011	(B,95,89)	CKSRYB473K16
C 9014	(B,87,88)	CKSRYB473K16
C 9015	(A,100,95)	CKSRYB102K50
C 9018	(B,72,72)	CKSRYB104K50
C 9081	(A,120,69)	CKSRYB103K50

A MAIN ASSY (XWK3234)

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 103	(A,198,72) OP-AMP IC	BA4560RF
	IC 104	(A,198,56) OP-AMP IC	BA4560RF
	IC 105	(A,198,87) OP-AMP IC	BA4560RF
A	IC 106	(A,198,41) OP-AMP IC	BA4560RF
	IC 107	(A,216,88) OP-AMP IC	BA4560RF
	IC 108	(B,255,64) 8CH E-VOL	R2S15205FP
	IC 110	(A,237,73) IC	TC4066BFN
	IC 251	(A,85,102) OP-AMP IC	HA17558AF
	IC 310	(A,142,40) OP-AMP IC	BA4560RF
	IC 311	(A,152,59) OP-AMP IC	BA4560RF
	IC 312	(A,142,77) OP-AMP IC	BA4560RF
	IC 315	(A,160,90) OP-AMP IC	BA4560RF
	IC 5001	(A,69,19) RDS DECORDER IC	LC72725M
	IC 6001	(A,135,21) IC	TC74VHCT125AFTS1
B	IC 9001	(B,82,64) CPU	PEG216A
	IC 9002	(A,103,44) EEPROM	BR24L16FV-W
	Q 231	(A,225,69) DIGITAL TR(SC-70)	RT1P241M
	Q 232	(A,229,69) TRANSISTOR	RT1N241M
	Q 252	(A,68,105) TRANSISTOR	2SD1858X
	Q 253	(A,75,108) TRANSISTOR	RT1N241M
	Q 254	(A,72,98) DIGITAL TR(SC-70)	RT1P241M
	Q 255	(A,75,98) TRANSISTOR	2SC4081
	Q 256	(A,75,94) CHIP TRANSISTOR	2SD2704K
	Q 257	(A,78,108) TRANSISTOR	2SA1576A
	Q 259	(A,69,97) DIGITAL TR(SC-70)	RT1P241M
C	Q 260	(A,68,101) TRANSISTOR	2SC4081
	Q 361	(A,166,78) CHIP TRANSISTOR	2SD2704K
	Q 9001	(A,125,87) DIGITAL TR(SC-70)	RT1N431M
	Q 9002	(A,66,80) DIGITAL TR(SC-70)	RT1P241M
	Q 9003	(A,65,75) DIGITAL TR(SC-70)	RT1P241M
	Q 9007	(A,69,85) TRANSISTOR	DTC143TK
	Q 9064	(A,59,80) DIGITAL TR(SC-70)	RT1P241M
	Q 9065	(A,55,78) TRANSISTOR	UMD2N
	D 103	(B,173,35) DIODE	DAN217U
	D 105	(B,163,37) DIODE	DAN217U
D	D 107	(B,166,37) DIODE	DAN217U
	D 251	(A,83,96) DIODE	DAN217U
	D 253	(A,70,114) DIODE	UDZS13(B)
	D 254	(A,90,104) DIODE	UDZS5R1(B)
	D 255	(A,65,114) DIODE	UDZS13(B)
	D 311	(B,259,93) DIODE	1SS355
	D 312	(B,268,93) DIODE	1SS355
	D 331	(B,260,87) DIODE	UDZS6R8(B)
	D 332	(B,263,87) DIODE	UDZS6R8(B)
	D 6001	(A,149,22) DIODE	1SS355
E	D 9001	(A,125,103) DIODE	DAP202U
	D 9002	(A,119,103) DIODE	DAP202U
	D 9003	(A,122,103) DIODE	DAN202U
	D 9006	(B,99,89) DIODE	DAN217U
	D 9007	(B,91,89) DIODE	DAN217U
	D 9010	(A,128,88) DIODE	1SS355
	D 9011	(A,60,75) DIODE	DAN202U
	D 9064	(A,58,75) DIODE	DAP202U
	D 9065	(A,63,80) DIODE	DAP202U
	D 9068	(A,53,81) DIODE	1SS355
	L 101	(B,260,98) CHIP SOLID INDUCTOR	QTL1013
F	L 102	(B,265,97) CHIP SOLID INDUCTOR	QTL1013
	L 5002	(A,257,104) CHIP SOLID INDUCTOR	QTL1013
	L 9001	(A,123,107) CHIP SOLID INDUCTOR	ATL7002
	L 9002	(A,121,107) CHIP SOLID INDUCTOR	ATL7002

Mark	No.	Description	Part No.
	L 9003	(A,106,98) RADIAL INDUCTOR	LFCA2R2J
	X 5001	(A,67,27) CRYSTAL RESONATOR (4.332 MHz)	ASS7004
	X 9001	(A,96,53) CERAMIC RESONATOR (15.7 MHz)	XSS3004
	CN101	(A,41,27) CONNECTOR	CKS3382
	CN103	(A,230,17) 11P CONNECTOR	52044-1145
	CN104	(A,250,13) CONNECTOR	CKS3384
	CN105	(A,266,34) CONNECTOR	CKS3372
	CN107	(A,39,99) CONNECTOR POST	B3B-PH
	CN108	(A,41,55) CONNECTOR	CKS3370
	CN109	(A,230,113) 23P SOCKET	XKP3055
	CN111	(A,276,113) 21P SOCKET	XKP3091
	CN112	(A,91,41) CONNECTOR	CKS3390
	CN114	(A,189,113) 21P SOCKET	XKP3091
	CN115	(A,302,21) PIN JACK(4P)	AKB7114
	CN116	(A,302,49) PIN JACK(4P)	AKB7114
	CN117	(A,302,77) PIN JACK(4P)	AKB7114
	CN118	(A,302,105) PIN JACK(4P)	AKB7114
	CN251	(A,39,83) 3P JUMPER CONNECTOR	52147-0310
	CN252	(A,37,69) 3P TOP POST	B3B-EH
	101	PCB BINDER	VEF1040
	102	PCB BINDER	VEF1040

RESISTORS

R 101	(B,282,19)	RS1/16S331J
R 102	(B,293,12)	RS1/16S331J
R 103	(B,283,62)	RS1/16S222J
R 104	(B,283,52)	RS1/16S222J
R 105	(B,283,47)	RS1/16S331J
R 106	(B,293,40)	RS1/16S331J
R 107	(B,283,87)	RS1/16S331J
R 108	(B,293,81)	RS1/16S331J
R 109	(B,283,73)	RS1/16S331J
R 110	(B,293,68)	RS1/16S331J
R 111	(B,283,115)	RS1/16S222J
R 112	(B,283,106)	RS1/16S222J
R 113	(B,283,101)	RS1/16S331J
R 114	(B,293,96)	RS1/16S331J
R 129	(B,283,34)	RS1/16S331J
R 130	(B,283,25)	RS1/16S331J
R 145	(A,71,73)	RS1/16S102J
R 146	(A,71,74)	RS1/16S102J
R 147	(B,233,67)	RS1/16S472J
R 148	(B,228,62)	RS1/16S472J
R 149	(A,259,45)	RS1/16S104J
R 154	(B,294,51)	RS1/16S0R0J
R 155	(B,293,58)	RS1/16S0R0J
R 156	(B,295,107)	RS1/16S0R0J
R 157	(B,293,114)	RS1/16S0R0J
R 180	(B,278,97)	RS1/16S0R0J
R 181	(B,272,78)	RS1/16S0R0J
R 182	(B,275,75)	RS1/16S0R0J
R 183	(B,276,67)	RS1/16S0R0J
R 201	(A,189,85)	RS1/16S473J
R 202	(A,189,90)	RS1/16S473J
R 203	(B,187,85)	RS1/16S392J
R 204	(B,187,91)	RS1/16S392J
R 205	(B,189,85)	RS1/16S392J
R 206	(B,189,91)	RS1/16S392J

Mark No.	Description	Part No.
R 207	(B,191,85)	RS1/16S392J
R 208	(B,191,91)	RS1/16S392J
R 209	(B,198,85)	RS1/16S392J
R 210	(B,198,91)	RS1/16S392J
R 211	(B,200,85)	RS1/16S332J
R 212	(B,200,91)	RS1/16S332J
R 213	(B,202,85)	RS1/16S680J
R 214	(B,202,91)	RS1/16S680J
R 219	(B,216,84)	RS1/16S0R0J
R 220	(B,215,91)	RS1/16S0R0J
R 221	(B,220,84)	RS1/16S472J
R 222	(B,219,91)	RS1/16S472J
R 223	(A,242,78)	RS1/16S472J
R 224	(A,236,78)	RS1/16S472J
R 225	(B,225,84)	RS1/16S392J
R 226	(B,225,91)	RS1/16S392J
R 227	(B,231,84)	RS1/16S101J
R 228	(B,233,89)	RS1/16S101J
R 231	(A,229,72)	RS1/16S104J
R 233	(A,231,91)	RS1/16S474J
R 234	(A,231,84)	RS1/16S474J
R 237	(A,237,88)	RS1/16S122J
R 238	(A,236,80)	RS1/16S122J
R 241	(A,190,69)	RS1/16S473J
R 242	(A,190,74)	RS1/16S473J
R 243	(B,186,69)	RS1/16S332J
R 244	(B,186,75)	RS1/16S332J
R 245	(B,188,69)	RS1/16S332J
R 246	(B,188,75)	RS1/16S332J
R 247	(B,190,69)	RS1/16S332J
R 248	(B,190,75)	RS1/16S332J
R 249	(B,197,69)	RS1/16S332J
R 250	(B,197,75)	RS1/16S332J
R 251	(B,199,69)	RS1/16S182J
R 252	(B,199,75)	RS1/16S182J
R 253	(B,202,69)	RS1/16S0R0J
R 254	(B,202,75)	RS1/16S0R0J
R 257	(B,213,69)	RS1/16S101J
R 258	(B,213,75)	RS1/16S101J
R 261	(A,189,53)	RS1/16S473J
R 262	(A,189,59)	RS1/16S473J
R 263	(B,186,53)	RS1/16S332J
R 264	(B,186,60)	RS1/16S332J
R 265	(B,188,53)	RS1/16S332J
R 266	(B,188,60)	RS1/16S682J
R 267	(B,190,53)	RS1/16S332J
R 268	(B,190,60)	RS1/16S393J
R 269	(B,197,53)	RS1/16S332J
R 270	(B,197,60)	RS1/16S122J
R 271	(B,199,53)	RS1/16S182J
R 272	(B,199,60)	RS1/16S272J
R 273	(B,202,53)	RS1/16S0R0J
R 274	(B,202,60)	RS1/16S271J
R 277	(B,214,53)	RS1/16S101J
R 278	(B,213,61)	RS1/16S101J
R 281	(A,188,44)	RS1/16S473J
R 282	(A,188,38)	RS1/16S473J
R 283	(B,186,45)	RS1/16S332J
R 284	(B,186,38)	RS1/16S332J
R 285	(B,188,45)	RS1/16S332J
R 286	(B,188,38)	RS1/16S332J
R 287	(B,191,45)	RS1/16S332J
R 288	(B,191,38)	RS1/16S332J
R 289	(B,197,45)	RS1/16S332J
R 290	(B,197,38)	RS1/16S332J
R 291	(B,200,45)	RS1/16S182J
R 292	(B,199,39)	RS1/16S182J
R 293	(B,202,45)	RS1/16S0R0J
R 294	(B,202,39)	RS1/16S0R0J
R 297	(B,214,44)	RS1/16S101J
R 298	(B,214,39)	RS1/16S101J
R 303	(B,156,37)	RS1/16S101J
R 304	(B,155,43)	RS1/16S101J
R 305	(B,160,49)	RS1/16S101J
R 306	(B,164,61)	RS1/16S101J
R 307	(B,165,68)	RS1/16S101J
R 308	(B,171,72)	RS1/16S101J
R 311	(A,258,102) METAL OXIDE RESISTOR	RS1LMF101J
R 312	(A,266,102) METAL OXIDE RESISTOR	RS1LMF101J
R 427	(A,133,93)	RS1/16S104J
R 431	(A,131,93)	RS1/16S104J
R 432	(A,127,93)	RS1/16S104J
R 433	(A,128,93)	RS1/16S104J
R 434	(A,134,93)	RS1/16S104J
R 435	(A,126,93)	RS1/16S104J
R 436	(A,130,93)	RS1/16S104J
R 438	(A,81,98)	RS1/16S104J
R 439	(A,86,96)	RS1/16S104J
R 440	(A,81,108)	RS1/16S754J
R 441	(A,79,98)	RS1/16S222J
R 442	(A,77,98)	RS1/16S104J
R 443	(A,63,104)	RS1/16S471J
R 445	(A,73,108)	RS1/16S223J
R 446	(A,74,113)	RS1/16S104J
R 447	(A,88,94)	RS1/16S472J
R 448	(A,89,104)	RS1/16S104J
R 449	(A,80,108)	RS1/16S102J
R 453	(A,146,35)	RS1/16S102J
R 454	(A,142,46)	RS1/16S102J
R 455	(A,146,38)	RS1/16S272J
R 456	(A,147,43)	RS1/16S272J
R 457	(A,140,35)	RS1/16S153J
R 458	(A,140,46)	RS1/16S153J
R 459	(B,133,38)	RS1/16S103J
R 460	(B,133,43)	RS1/16S103J
R 461	(B,145,39)	RS1/16S104J
R 462	(B,145,43)	RS1/16S104J
R 463	(A,76,102)	RS1/16S223J
R 464	(A,78,102)	RS1/16S223J
R 465	(A,74,102)	RS1/16S223J
R 466	(A,71,101)	RS1/16S223J
R 473	(A,151,53)	RS1/16S102J
R 474	(A,152,65)	RS1/16S102J
R 475	(A,157,52)	RS1/16S272J
R 476	(A,158,66)	RS1/16S272J
R 477	(A,149,52)	RS1/16S153J
R 478	(A,150,65)	RS1/16S153J
R 479	(B,142,57)	RS1/16S103J
R 480	(B,142,62)	RS1/16S103J
R 481	(B,154,58)	RS1/16S104J

Mark	No.	Description	Part No.
	R 482	(B,154,62)	RS1/16S104J
	R 483	(B,144,76)	RS1/16S104J
	R 484	(A,165,71)	RS1/16S104J
A	R 485	(A,157,80)	RS1/16S472J
	R 488	(A,165,73)	RS1/16S0R0J
	R 493	(A,141,71)	RS1/16S102J
	R 494	(A,141,83)	RS1/16S911J
	R 495	(A,147,71)	RS1/16S272J
	R 496	(A,148,83)	RS1/16S272J
	R 497	(A,139,69)	RS1/16S153J
	R 498	(A,139,83)	RS1/16S153J
	R 499	(B,133,72)	RS1/16S103J
	R 500	(B,133,79)	RS1/16S104J
	R 502	(B,144,80)	RS1/16S204J
B	R 504	(B,171,86)	RS1/16S222J
	R 505	(B,170,92)	RS1/16S222J
	R 506	(B,165,87)	RS1/16S104J
	R 507	(B,163,92)	RS1/16S104J
	R 508	(A,162,82)	RS1/16S272J
	R 509	(A,162,96)	RS1/16S272J
	R 512	(A,159,83)	RS1/16S102J
	R 513	(A,159,96)	RS1/16S102J
	R 514	(A,157,83)	RS1/16S153J
	R 515	(A,157,96)	RS1/16S153J
	R 516	(B,150,89)	RS1/16S103J
C	R 517	(B,150,96)	RS1/16S103J
	R 5005	(B,80,13)	RS1/16S0R0J
	R 5010	(A,76,24)	RS1/16S473J
	R 5011	(A,81,15)	RS1/16S473J
	R 5012	(A,82,12)	RS1/16S102J
	R 5013	(A,57,26)	RS1/16S102J
	R 5016	(B,82,13)	RS1/16S0R0J
	R 5020	(A,73,13)	RS1/16S0R0J
	R 6001	(A,132,18)	RS1/16S104J
	R 6002	(A,139,24)	RS1/16S104J
D	R 6003	(A,140,18)	RS1/16S104J
	R 6004	(A,151,22)	RS1/16S101J
	R 6007	(B,128,14)	RS1/16S102J
	R 6009	(A,130,23)	RS1/16S101J
	R 6010	(A,147,23)	RS1/16S182J
	R 9002	(A,129,89)	RS1/16S473J
	R 9005	(A,91,55)	RS1/16S0R0J
	R 9006	(B,103,89)	RS1/16S474J
	R 9007	(B,93,89)	RS1/16S474J
	R 9008	(A,86,90)	RS1/16S221J
	R 9009	(A,65,85)	RS1/16S473J
E	R 9010	(B,115,45)	RS1/16S512J
	R 9011	(A,63,76)	RS1/16S102J
	R 9012	(A,63,73)	RS1/16S0R0J
	R 9013	(B,112,45)	RS1/16S471J
	R 9014	(B,104,54)	RS1/16S471J
	R 9015	(B,101,54)	RS1/16S471J
	R 9016	(B,99,54)	RS1/16S471J
	R 9017	(B,97,54)	RS1/16S471J
	R 9018	(B,95,54)	RS1/16S471J
	R 9019	(B,98,76)	RS1/16S471J
	R 9020	(B,99,76)	RS1/16S471J
F	R 9021	(B,101,76)	RS1/16S471J
	R 9022	(B,103,76)	RS1/16S471J
	R 9023	(B,103,68)	RS1/16S472J

Mark	No.	Description	Part No.
	R 9024	(B,105,68)	RS1/16S472J
	R 9025	(B,101,68)	RS1/16S472J
	R 9026	(B,107,68)	RS1/16S332J
	R 9028	(B,119,45)	RS1/16S104J
	R 9030	(A,68,79)	RS1/16S470J
	R 9031	(B,69,48)	RS1/16S104J
	R 9032	(A,66,59)	RS1/16S104J
	R 9033	(B,89,48)	RS1/16S104J
	R 9036	(A,88,89)	RS1/16S221J
	R 9037	(A,124,99)	RS1/16S104J
	R 9039	(A,87,58)	RS1/16S104J
	R 9041	(B,117,45)	RS1/16S104J
	R 9042	(B,83,81)	RS1/16S103J
	R 9043	(B,81,81)	RS1/16S103J
	R 9044	(B,79,81)	RS1/16S103J
	R 9045	(A,98,46)	RS1/16S471J
	R 9046	(A,107,45)	RS1/16S471J
	R 9047	(A,99,46)	RS1/16S103J
	R 9048	(A,98,43)	RS1/16S103J
	R 9060	(B,98,68)	RS1/16S473J
	R 9062	(B,87,48)	RS1/16S471J
	R 9064	(A,54,74)	RS1/16S103J
	R 9065	(A,56,74)	RS1/16S103J
	R 9066	(A,62,72)	RS1/16S103J
	R 9067	(A,57,83)	RS1/16S103J
	R 9068	(A,64,71)	RS1/16S0R0J
	R 9081	(A,120,72)	RS1/16S221J
	R 9082	(A,122,69)	RS1/16S274J

CAPACITORS

	C 101	(B,293,18)	CCSRCH101J50
	C 102	(B,295,12)	CCSRCH101J50
	C 103	(B,295,56)	CCSRCH101J50
	C 104	(B,296,51)	CCSRCH101J50
	C 105	(B,293,45)	CCSRCH101J50
	C 106	(B,296,40)	CCSRCH101J50
	C 107	(B,293,86)	CCSRCH101J50
	C 108	(B,296,81)	CCSRCH101J50
	C 109	(B,293,72)	CCSRCH101J50
	C 110	(B,296,68)	CCSRCH101J50
	C 111	(B,296,111)	CCSRCH101J50
	C 112	(B,297,107)	CCSRCH101J50
	C 113	(B,293,100)	CCSRCH101J50
	C 114	(B,296,96)	CCSRCH101J50
	C 115	(B,262,98)	CKSRYB103K50
	C 116	(B,267,97)	CKSRYB103K50
	C 117	(A,287,109)	CCSRCH220J50
	C 118	(B,285,109)	CCSRCH220J50
	C 121	(A,280,34)	CEAT100M50
	C 122	(A,280,25)	CEAT100M50
	C 123	(A,280,19)	CEAT100M50
	C 124	(A,280,11)	CEAT100M50
	C 125	(A,280,62)	CEAT100M50
	C 126	(A,280,53)	CEAT100M50
	C 127	(A,280,47)	CEAT100M50
	C 128	(A,280,40)	CEAT100M50
	C 131	(A,280,87)	CEAT100M50
	C 132	(A,280,80)	CEAT100M50
	C 133	(A,280,74)	CEAT100M50
	C 134	(A,280,67)	CEAT100M50

Mark No.	Description	Part No.
C 135	(A,280,114)	CEAT100M50
C 136	(A,280,106)	CEAT100M50
C 137	(A,280,101)	CEAT100M50
C 138	(A,280,93)	CEAT100M50
C 139	(A,53,95)	CEAT100M50
C 140	(A,53,100)	CEAT100M50
C 141	(A,256,82)	CKSRYB104K50
C 145	(B,256,81)	CCSRCH101J50
C 146	(B,258,81)	CCSRCH101J50
C 147	(B,253,81)	CKSRYB103K50
C 148	(B,238,67)	CKSRYB223K25
C 149	(B,235,67)	CKSRYB473K25
C 150	(B,231,67)	CKSQYB154K16
C 151	(B,49,51)	CKSRYB103K50
C 152	(B,230,62)	CKSRYB223K25
C 153	(B,234,62)	CKSRYB473K25
C 154	(B,232,62)	CKSQYB154K16
C 155	(A,226,62)	CEAT101M16
C 156	(A,229,56)	CEAT101M16
C 157	(A,236,56)	CEAT101M16
C 158	(A,232,50)	CEAT101M16
C 159	(A,241,50)	CEAT101M16
C 160	(A,234,44)	CEAT101M16
C 161	(A,241,44)	CEAT101M16
C 162	(A,248,44)	CEAT101M16
C 165	(A,240,86)	CEAT1R0M50
C 166	(A,248,86)	CEAT1R0M50
C 170	(A,236,116)	CEAT100M50
C 171	(A,242,116)	CEAT100M50
C 179	(B,294,76)	CKSRYB103K50
C 180	(A,277,16)	CKSRYB103K50
C 181	(A,283,30)	CCSRCH101J50
C 182	(B,285,28)	CCSRCH101J50
C 183	(B,287,14)	CCSRCH101J50
C 184	(B,285,14)	CCSRCH101J50
C 185	(A,286,44)	CCSRCH101J50
C 186	(B,288,42)	CCSRCH101J50
C 187	(A,286,90)	CCSRCH101J50
C 188	(A,284,83)	CCSRCH101J50
C 189	(A,284,71)	CCSRCH101J50
C 190	(B,287,70)	CCSRCH101J50
C 191	(B,283,97)	CCSRCH101J50
C 192	(B,285,96)	CCSRCH101J50
C 197	(B,292,29)	CCSRCH101J50
C 198	(B,294,25)	CCSRCH101J50
C 199	(A,281,50)	CKSRYB103K50
C 201	(A,183,85)	CEAT2R2M50
C 202	(A,184,92)	CEAT2R2M50
C 203	(A,191,85)	CCSRCH471J50
C 204	(A,191,90)	CCSRCH471J50
C 205	(A,193,85)	CCSRCH331J50
C 206	(A,194,90)	CCSRCH331J50
C 207	(B,193,85)	CCSRCH331J50
C 208	(B,193,91)	CCSRCH331J50
C 213	(A,223,84)	CEAT100M50
C 214	(A,223,90)	CEAT100M50
C 215	(B,233,84)	CKSRYB103K50
C 216	(B,231,89)	CKSRYB103K50
C 217	(A,202,85)	CKSRYB103K50
C 218	(A,202,90)	CKSRYB103K50

Mark No.	Description	Part No.
C 219	(A,221,87)	CKSRYB104K16
C 220	(A,210,93)	CKSRYB104K16
C 221	(A,230,75)	CKSRYB103K50
C 222	(A,243,70)	CKSRYB103K50
C 241	(A,183,70)	CEAT2R2M50
C 242	(A,183,77)	CEAT2R2M50
C 243	(A,192,69)	CCSRCH101J50
C 244	(A,192,74)	CCSRCH101J50
C 245	(A,194,69)	CCSRCH331J50
C 246	(A,194,74)	CCSRCH331J50
C 247	(B,193,69)	CCSRCH331J50
C 248	(B,193,75)	CCSRCH331J50
C 249	(A,205,69)	CEAT100M50
C 250	(A,205,75)	CEAT100M50
C 251	(A,204,65)	CKSRYB103K50
C 252	(A,211,78)	CKSRYB103K50
C 253	(B,43,89)	CKSRYB103K50
C 254	(A,58,108) ELECT. CAPACITOR	CEAT101M25
C 255	(A,51,108) ELECT. CAPACITOR	CEANP470M25
C 256	(A,81,105)	CKSRYB103K50
C 257	(B,216,69)	CKSRYB472K50
C 258	(B,217,75)	CKSRYB472K50
C 261	(A,183,54)	CEAT2R2M50
C 262	(A,183,62)	CEAT2R2M50
C 263	(A,192,53)	CCSRCH101J50
C 264	(A,191,59)	CKSRYB223K25
C 265	(A,194,53)	CCSRCH331J50
C 266	(A,194,59)	CKSRYB103K50
C 267	(B,193,53)	CCSRCH331J50
C 268	(B,193,60)	CKSRYB562K50
C 269	(A,205,54)	CEAT100M50
C 270	(A,205,60)	CEAT100M50
C 271	(A,203,51)	CKSRYB103K50
C 272	(A,210,64)	CKSRYB103K50
C 277	(B,216,53)	CKSRYB472K50
C 278	(B,215,61)	CKSRYB472K50
C 281	(A,183,46)	CEAT2R2M50
C 282	(A,184,39)	CEAT2R2M50
C 283	(A,190,44)	CCSRCH101J50
C 284	(A,190,38)	CCSRCH101J50
C 285	(A,194,44)	CCSRCH331J50
C 286	(A,194,38)	CCSRCH331J50
C 287	(B,193,45)	CCSRCH331J50
C 288	(B,193,38)	CCSRCH331J50
C 289	(A,205,44)	CEAT100M50
C 290	(A,206,38)	CEAT100M50
C 291	(A,216,39)	CKSRYB103K50
C 292	(A,216,48)	CKSRYB103K50
C 297	(B,218,44)	CKSRYB472K50
C 298	(B,216,39)	CKSRYB472K50
C 321	(A,153,38)	CEAT100M50
C 322	(A,153,45)	CEAT100M50
C 323	(A,145,35)	CCSRCH101J50
C 324	(A,140,47)	CCSRCH101J50
C 325	(A,136,39) ELECT. CAPACITOR	CEAT220M50
C 326	(A,136,46) ELECT. CAPACITOR	CEAT220M50
C 327	(A,132,42)	CKSRYB103K50
C 328	(A,132,38)	CKSRYB103K50
C 333	(A,255,93)	CEAT101M10
C 334	(A,268,81)	CEAT101M10

Mark	No.	Description	Part No.
	C 341	(A,161,56)	CEAT100M50
	C 342	(A,161,63)	CEAT100M50
	C 343	(A,149,51)	CCSRCH101J50
	C 344	(A,150,66)	CCSRCH101J50
	C 345	(A,145,56) ELECT. CAPACITOR	CEAT220M50
	C 346	(A,145,63) ELECT. CAPACITOR	CEAT220M50
	C 347	(A,140,64)	CKSRYB103K50
	C 348	(A,141,58)	CKSRYB103K50
	C 361	(A,161,70)	CEAT100M50
	C 362	(A,169,70)	CEAT100M50
	C 363	(A,139,68)	CCSRCH101J50
	C 364	(A,139,84)	CKSRYB472K50
	C 365	(A,136,73) ELECT. CAPACITOR	CEAT220M50
	C 366	(A,136,80) ELECT. CAPACITOR	CEANP4R7M50
	C 367	(A,135,88)	CKSRYB103K50
	C 368	(A,147,75)	CKSRYB103K50
	C 370	(A,161,74)	CEAT4R7M50
	C 384	(A,167,87)	CEAT100M50
	C 385	(A,167,94)	CEAT100M50
	C 386	(A,157,84)	CCSRCH101J50
	C 387	(A,157,95)	CCSRCH101J50
	C 388	(A,153,90) ELECT. CAPACITOR	CEAT220M50
	C 389	(A,153,97) ELECT. CAPACITOR	CEAT220M50
	C 390	(A,164,88)	CKSRYB103K50
	C 392	(B,91,95)	CKSRYB102K50
	C 393	(A,156,92)	CKSRYB103K50
	C 1031	(A,286,57)	CCSRCH220J50
	C 1041	(B,287,55)	CCSRCH220J50
	C 5001	(B,233,10)	CKSRYB102K50
	C 5002	(B,235,10)	CKSRYB103K50
	C 5003	(B,237,10)	CKSRYB105K10
	C 5011	(A,77,16)	CEJQ100M50
	C 5013	(A,54,17)	CCSRCH270J50
	C 5014	(A,54,18)	CCSRCH270J50
	C 5015	(A,59,20)	CEJQ470M16
	C 5016	(A,54,15)	CKSRYB103K50
	C 5017	(A,73,14)	CCSRCH561J50
	C 5020	(A,69,13)	CKSRYB472K50
	C 5025	(A,166,12)	CKSRYB102K50
	C 5026	(A,169,13)	CKSRYB102K50
	C 5027	(A,177,12)	CKSRYB102K50
	C 5028	(A,179,13)	CCSRCH220J50
	C 6001	(A,139,18)	CKSRYB104K16
	C 9004	(A,121,94)	CKSRYB103K50
	C 9005	(A,116,99)	CEJQ2R2M50
	C 9006	(A,122,88)	CKSRYB105K10
	C 9007	(A,79,92) ELECT. CAPACITOR	CEAT331M6R3
	C 9008	(B,77,90)	CKSRYB103K50
	C 9011	(B,95,89)	CKSRYB473K16
	C 9014	(B,87,88)	CKSRYB473K16
	C 9015	(A,100,95)	CKSRYB102K50
	C 9018	(B,72,72)	CKSRYB104K50
	C 9081	(A,120,69)	CKSRYB103K50

B DSP ASSY (AWX8699)

MISCELLANEOUS

	IC 401	(A,80,54) XM/DT IC	F2602E-01
	IC 402	(A,116,59) LOAD SWITCHING	AAT4618IGV-0.5-1
	IC 551	(A,82,42) IC	TC74VHC157FTS1
	IC 601	(A,107,36) DA I/F TRANSCEIVER	AK4114VQ
	IC 701	(A,75,29) CODEC IC	AK4628AVQ
	IC 801	(A,37,39) DSP IC	DSPC56371AF180
	IC 802	(A,33,24) IC	TC7WU04FU
	IC 851	(A,48,17) FLASH ROM IC	PDC145A8
		FLASH ROM IC	LE25FW106M
	IC 871	(B,63,43) IC	TC7WH125FU
⚠	IC 901	(B,120,16) IC	NJM2391DL1-33
⚠	IC 902	(B,94,22) REGULATOR IC	LM1117DT-ADJ
	IC 951	(A,58,56) IC	TC74VHCT08AFTS1
	IC 952	(B,19,34) OCTAL BUS BUFFER IC	TC74VHCT244AFTS1
	IC 953	(A,48,56) IC	TC74VHC08FTS1
	Q 801	(B,34,29) TRANSISTOR	RT1N241M
	D 401	(B,117,57) DIODE	UDZS5R6(B)
	D 402	(B,114,54) DIODE	UDZS5R6(B)
	D 701	(A,79,19) DIODE	MA152WA
	D 702	(B,80,18) DIODE	MA152WK
	D 901	(B,116,24) DIODE	UDZS5R6(B)
	D 902	(B,102,19) DIODE	UDZS5R6(B)
	L 401	(A,64,49) CHIP SOLID INDUCTOR	QTL1013
	L 402	(A,112,60) CHIP SOLID INDUCTOR	ATL7002
	L 551	(A,88,44) CHIP SOLID INDUCTOR	QTL1013
	L 601	(B,103,48) CHIP SOLID INDUCTOR	QTL1013
	L 602	(A,98,36) CHIP SOLID INDUCTOR	QTL1013
	L 605	(A,117,29) CHIP SOLID INDUCTOR	QTL1013
	L 701	(B,66,30) CHIP SOLID INDUCTOR	QTL1013
	L 702	(A,94,24) CHIP SOLID INDUCTOR	QTL1013
	L 801	(A,35,25) CHIP SOLID INDUCTOR	QTL1013
	L 802	(A,44,29) CHIP SOLID INDUCTOR	ATL7002
	L 803	(A,53,38) CHIP SOLID INDUCTOR	ATL7002
	L 804	(B,30,34) CHIP SOLID INDUCTOR	QTL1013
	L 851	(A,45,23) CHIP SOLID INDUCTOR	QTL1013
	L 871	(B,67,45) CHIP SOLID INDUCTOR	QTL1013
	L 901	(B,105,19) CHIP SOLID INDUCTOR	ATL7002
	L 902	(B,100,19) CHIP SOLID INDUCTOR	ATL7002
	L 951	(A,53,54) CHIP SOLID INDUCTOR	QTL1013
	L 952	(B,24,43) CHIP SOLID INDUCTOR	QTL1013
	L 953	(A,64,53) CHIP SOLID INDUCTOR	QTL1013
	JA 501	(A,140,22) PIN JACK(2P)	AKB7173
	X 401	(A,68,57) CRYSTAL RESONATOR (145.1584MHz)	ASS7065
	X 601	(A,106,25) CRYSTAL RESONATOR (12.288MHz)	ASS7046
	X 801	(A,25,22) CRYSTAL RESONATOR (20 MHz)	VSS1171
	CN401	(A,141,41) 4P SOCKET	AKP7201
	CN601	(A,100,49) 10P CONNECTOR	VKN1414
	CN701	(A,81,14) 19P SOCKET	XKP3080
	CN901	(A,114,14) 13P SOCKET	XKP3077
	CN951	(A,43,14) 15P SOCKET	XKP3078
	CN952	(A,25,59) 12P CONNECTOR	VKN1416

RESISTORS

	R 404	(B,110,58)	RS1/16S101J
	R 405	(B,104,57)	RS1/16S102J
	R 406	(B,110,54)	RS1/16S101J
	R 407	(B,108,57)	RS1/16S102J
	R 410	(A,72,58)	RS1/16S471J
	R 411	(A,72,56)	RS1/16S105J
	R 414	(B,83,49)	RS1/16S104J
	R 415	(B,86,48)	RS1/16S104J

Mark No.	Description	Part No.
R 416	(B,89,48)	RS1/16S101J
R 417	(B,98,58)	RS1/16S104J
R 418	(A,89,50)	RAB4C101J
R 419	(B,100,58)	RS1/16S104J
R 420	(B,96,58)	RS1/16S104J
R 421	(A,89,58)	RS1/16S104J
R 423	(A,87,58)	RS1/16S101J
R 424	(B,90,58)	RS1/16S101J
R 425	(B,94,58)	RS1/16S101J
R 426	(B,69,48)	RS1/16S101J
R 427	(B,71,48)	RS1/16S101J
R 428	(B,73,48)	RS1/16S101J
R 429	(A,80,46)	RS1/16S101J
R 430	(A,107,58)	RS1/16S103J
R 431	(A,102,58)	RS1/16S0R0J
R 501	(B,129,16)	RS1/16S750J
R 502	(B,132,30)	RS1/16S750J
R 514	(B,127,16)	RS1/16S0R0J
R 515	(B,130,26)	RS1/16S0R0J
R 516	(B,123,28)	RS1/16S100J
R 517	(B,128,30)	RS1/16S100J
R 562	(A,88,39)	RS1/16S470J
R 563	(B,85,44)	RS1/16S101J
R 564	(A,88,41)	RS1/16S470J
R 565	(B,88,40)	RS1/16S101J
R 566	(A,88,42)	RS1/16S101J
R 567	(A,74,44)	RS1/16S101J
R 568	(A,75,43)	RS1/16S101J
R 569	(A,75,42)	RS1/16S470J
R 570	(A,75,41)	RS1/16S101J
R 571	(A,75,39)	RS1/16S470J
R 604	(B,111,49)	RS1/16S104J
R 605	(B,109,49)	RS1/16S104J
R 606	(B,107,49)	RS1/16S104J
R 609	(A,99,43)	RS1/16S0R0J
R 610	(B,101,48)	RS1/16S0R0J
R 613	(A,99,38)	RS1/16S101J
R 614	(A,97,44)	RS1/16S101J
R 615	(A,99,33)	RS1/16S470J
R 616	(A,99,32)	RS1/16S101J
R 617	(A,99,30)	RS1/16S101J
R 618	(A,99,29)	RS1/16S101J
R 620	(A,99,28)	RS1/16S470J
R 622	(A,111,28)	RS1/16S0R0J
R 623	(A,114,28)	RS1/16S0R0J
R 624	(A,114,29)	RS1/16S101J
R 625	(A,114,31)	RS1/16S101J
R 626	(A,114,32)	RS1/16S101J
R 627	(A,113,27)	RS1/16S103J
R 628	(A,115,38)	RS1/16S1802F
R 701	(B,76,35)	RS1/16S470J
R 702	(B,72,35)	RS1/16S101J
R 703	(B,62,26)	RS1/16S0R0J
R 704	(B,68,27)	RS1/16S4R7J
R 705	(A,58,18)	RS1/16S101J
R 706	(A,61,18)	RS1/16S101J
R 707	(A,63,18)	RS1/16S101J
R 708	(A,66,18)	RS1/16S101J
R 709	(A,68,18)	RS1/16S101J
R 710	(A,71,18)	RS1/16S101J
R 711	(A,73,18)	RS1/16S101J
R 712	(A,76,18)	RS1/16S101J
R 713	(A,84,30)	RS1/16S470J
R 714	(A,84,35)	RS1/16S101J
R 715	(A,85,36)	RS1/16S101J
R 716	(A,82,37)	RS1/16S101J
R 801	(A,49,49)	RS1/16S470J
R 802	(A,40,50)	RAB4C101J
R 803	(B,44,48)	RS1/16S103J
R 804	(B,42,48)	RS1/16S103J
R 805	(B,40,48)	RS1/16S103J
R 806	(B,38,48)	RS1/16S103J
R 807	(B,37,42)	RS1/16S473J
R 810	(A,26,38)	RS1/16S473J
R 811	(B,28,46)	RS1/16S472J
R 812	(B,28,43)	RS1/16S101J
R 813	(A,22,37)	RS1/16S103J
R 815	(A,26,26)	RS1/16S105J
R 816	(A,24,26)	RS1/16S471J
R 817	(A,35,28)	RS1/16S101J
R 819	(B,26,29)	RS1/16S101J
R 821	(B,31,29)	RS1/16S0R0J
R 822	(B,38,30)	RS1/16S103J
R 823	(B,37,36)	RS1/16S473J
R 827	(B,47,38)	RS1/16S470J
R 828	(B,42,24)	RS1/16S470J
R 829	(B,45,32)	RS1/16S470J
R 830	(B,47,32)	RS1/16S470J
R 832	(A,48,41)	RS1/16S470J
R 833	(A,50,45)	RS1/16S470J
R 834	(A,54,46)	RS1/16S470J
R 835	(A,50,47)	RS1/16S470J
R 836	(A,54,48)	RS1/16S470J
R 840	(A,17,37)	RS1/16S101J
R 841	(A,65,38)	RS1/16S473J
R 851	(A,45,26)	RS1/16S470J
R 852	(B,44,24)	RS1/16S222J
R 855	(B,44,20)	RS1/16S103J
R 856	(A,52,19)	RS1/16S103J
R 857	(B,46,24)	RS1/16S103J
R 871	(B,57,36)	RS1/16S470J
R 872	(B,59,36)	RS1/16S470J
R 873	(B,59,44)	RS1/16S470J
R 874	(B,57,44)	RS1/16S470J
R 905	(B,111,19)	RS1/16S104J
R 908	(A,121,13)	RS1/16S0R0J
R 915	(B,89,26)	RS1/16S102J
R 951	(A,24,32)	RS1/16S101J
R 952	(A,23,32)	RS1/16S101J
R 953	(A,20,37)	RS1/16S101J
R 954	(B,19,16)	RS1/16S101J
R 955	(B,17,16)	RS1/16S101J
R 956	(A,15,31)	RS1/16S101J
R 957	(A,17,31)	RS1/16S101J
R 958	(A,18,31)	RS1/16S101J
R 959	(A,19,31)	RS1/16S101J
R 960	(A,21,31)	RS1/16S101J
R 961	(A,21,34)	RS1/16S101J
R 962	(A,27,18)	RS1/16S104J
R 963	(A,29,52)	RS1/16S104J

Mark	No.		Description	Part No.
	R	964 (A,26,52)	RESISTOR ARRAY	RAB4C104J
	R	965 (B,34,56)		RS1/16S104J
	R	966 (A,53,61)		RS1/16S331J
	R	967 (A,28,18)		RS1/16S104J
	R	968 (A,30,18)		RS1/16S104J
	R	969 (A,31,18)		RS1/16S104J
	R	970 (A,34,18)	RESISTOR ARRAY	RAB4C104J
	R	971 (A,59,61)		RS1/16S331J
	R	972 (A,56,61)		RS1/16S331J
	R	973 (A,53,59)		RS1/16S331J
	R	977 (B,46,57)		RS1/16S101J
	R	978 (B,50,57)		RS1/16S101J
	R	979 (B,46,53)		RS1/16S101J
	R	980 (B,53,57)		RS1/16S101J

CAPACITORS

	C	401 (A,69,49)		CEVW470M6R3
	C	402 (A,81,60)		CKSRYB104K16
	C	403 (A,81,61)		CCSRCH471J50
	C	404 (B,106,57)		CKSRYB104K16
	C	405 (B,112,58)		CKSRYB104K16
	C	406 (B,112,54)		CKSRYB104K16
	C	407 (A,121,54)		CEVW101M16
	C	408 (A,120,58)		CKSRYB104K16
	C	409 (A,71,58)		CCSRCH100D50
	C	410 (A,71,56)		CCSRCH100D50
	C	413 (A,115,56)		CKSQYB105K16
	C	503 (B,125,16)		CKSRYB103K50
	C	504 (B,130,30)		CKSRYB103K50
	C	551 (A,85,47)		CKSRYB104K16
	C	552 (A,85,45)		CCSRCH471J50
	C	605 (A,99,41)		CCSRCH471J50
	C	606 (A,100,41)		CKSRYB104K16
	C	607 (A,94,39)		CEVW470M6R3
	C	608 (A,99,36)		CCSRCH471J50
	C	609 (A,100,36)		CKSRYB104K16
	C	612 (A,103,28)		CCSRCH120J50
	C	613 (A,107,28)		CCSRCH120J50
	C	614 (B,111,28)		CKSRYB104K16
	C	617 (B,113,28)		CKSRYB102K50
	C	618 (A,121,31)		CEVW470M6R3
	C	619 (A,116,35)		CKSRYB104K16
	C	620 (A,114,35)		CCSRCH471J50
	C	621 (A,114,38)		CKSRYB474K10
	C	701 (A,65,32)		CKSRYB103K50
	C	702 (A,66,32)		CCSRCH471J50
	C	703 (A,62,23)		CEVW101M16
	C	704 (A,65,29)		CKSRYB104K16
	C	705 (A,66,29)		CCSRCH101J50
	C	706 (B,64,26)		CKSRYB104K16
	C	707 (B,58,19)		CCSRCH471J50
	C	708 (B,61,19)		CCSRCH471J50
	C	709 (B,63,19)		CCSRCH471J50
	C	710 (B,66,19)		CCSRCH471J50
	C	711 (B,68,19)		CCSRCH471J50
	C	712 (B,71,19)		CCSRCH471J50
	C	713 (B,73,19)		CCSRCH471J50
	C	714 (B,76,19)		CCSRCH471J50
	C	715 (A,88,29)		CEVW101M16
	C	716 (A,84,27)		CKSRYB104K16
	C	717 (A,83,27)		CCSRCH471J50
	C	718 (A,85,20)		CEVW470M6R3
	C	720 (A,83,24)		CKSRYB104K16
	C	763 (B,52,30)		CCSRCH471J50
	C	764 (B,54,30)		CKSRYB104K16
	C	801 (A,44,49)		CCSRCH471J50
	C	802 (A,44,50)		CKSRYB104K16
	C	803 (A,37,49)		CCSRCH471J50
	C	804 (A,37,50)		CKSRYB104K16
	C	805 (A,32,49)		CCSRCH471J50
	C	806 (A,32,50)		CKSRYB104K16
	C	807 (A,27,44)		CCSRCH471J50
	C	808 (A,26,44)		CKSRYB104K16
	C	809 (A,27,41)		CCSRCH471J50
	C	810 (A,26,41)		CKSRYB104K16
	C	814 (A,27,33)		CCSRCH471J50
	C	815 (A,26,33)		CKSRYB104K16
	C	816 (A,21,26)		CCSRCH8R0D50
	C	817 (A,29,26)		CCSRCH8R0D50
	C	818 (A,35,22)		CCSRCH471J50
	C	819 (A,37,22)		CKSRYB104K16
	C	821 (A,30,30)		CCSRCH471J50
	C	822 (A,30,28)		CKSRYB104K16
	C	823 (A,32,30)		CCSRCH471J50
	C	824 (A,32,28)		CKSRYB104K16
	C	825 (B,33,39)		CKSRYB103K50
	C	826 (A,38,30)		CCSRCH471J50
	C	827 (A,38,29)		CKSRYB104K16
	C	828 (A,48,35)		CCSRCH471J50
	C	829 (A,49,35)		CKSRYB104K16
	C	830 (A,48,38)		CCSRCH471J50
	C	831 (A,49,38)		CKSRYB104K16
	C	832 (A,48,43)		CCSRCH471J50
	C	833 (A,49,43)		CKSRYB104K16
	C	834 (A,41,23)		CEVW101M16
	C	835 (A,55,42)	CHIP ELECT.CAPACITOR	CEVW101M4
	C	851 (A,45,18)		CCSRCH471J50
	C	852 (A,43,18)		CKSRYB104K16
	C	871 (B,66,41)		CCSRCH471J50
	C	872 (B,68,41)		CKSRYB104K16
	C	907 (B,114,24)		CKSRYB104K16
	C	908 (A,121,23)		CEVW101M16
	C	909 (A,96,20)	CHIP ELECT.CAPACITOR	CEVW101M4
	C	916 (B,67,34)		CCSRCH471J50
	C	917 (B,69,34)		CKSRYB103K50
	C	918 (B,79,36)		CKSRYB104K16
	C	919 (B,80,36)		CCSRCH471J50
	C	951 (A,52,56)		CCSRCH471J50
	C	952 (A,54,56)		CKSRYB105K6R3
	C	954 (B,24,34)		CCSRCH471J50
	C	955 (B,26,34)		CKSQYB105K16
	C	956 (A,64,56)		CKSQYB105K16
	C	957 (A,62,56)		CCSRCH471J50

B DSP ASSY (AWX8572)

MISCELLANEOUS

	IC	501 (B,118,52)	IC	TC74HCU04AF
	IC	601 (A,107,50)	DA I/F TRANSCEIVER	AK4114VQ

Mark	No.		Description	Part No.
	IC	701	(A,75,43) CODEC IC	AK4628AVQ
	IC	801	(A,42,53) DSP IC	DSPC56371AF180
	IC	802	(A,44,38) IC	TC7WU04FU
	IC	851	(A,55,39) FLASH ROM IC	PDC145A8
			FLASH ROM IC	LE25FW106M
	IC	871	(B,63,53) IC	TC7WH125FU
⚠	IC	901	(B,120,30) IC	NJM2391DL1-33
⚠	IC	902	(B,94,36) REGULATOR IC	LM1117DT-ADJ
	IC	952	(B,19,48) OCTAL BUS BUFFER IC	TC74VHCT244AFTS1
	Q	801	(B,39,43) TRANSISTOR	UN5212
	D	701	(A,79,33) DIODE	DAP202K
	D	702	(B,80,32) DIODE	DAN202K
	D	901	(B,116,38) DIODE	UDZS5R6(B)
	D	902	(B,102,33) DIODE	UDZS5R6(B)
	L	501	(B,127,29) CHIP SOLID INDUCTOR	QTL1013
	L	502	(B,130,40) CHIP SOLID INDUCTOR	QTL1013
	L	503	(A,122,62) CHIP SOLID INDUCTOR	QTL1013
	L	601	(B,103,62) CHIP SOLID INDUCTOR	QTL1013
	L	602	(A,98,49) CHIP SOLID INDUCTOR	QTL1013
	L	605	(A,117,43) CHIP SOLID INDUCTOR	QTL1013
	L	701	(B,66,43) CHIP SOLID INDUCTOR	QTL1013
	L	702	(A,94,38) CHIP SOLID INDUCTOR	QTL1013
	L	801	(A,47,38) CHIP SOLID INDUCTOR	QTL1013
	L	802	(A,50,42) CHIP SOLID INDUCTOR	ATL7002
	L	803	(A,58,52) CHIP SOLID INDUCTOR	ATL7002
	L	804	(B,35,48) CHIP SOLID INDUCTOR	QTL1013
	L	851	(A,51,42) CHIP SOLID INDUCTOR	QTL1013
	L	871	(B,68,56) CHIP SOLID INDUCTOR	QTL1013
	L	901	(B,105,32) CHIP SOLID INDUCTOR	ATL7002
	L	902	(B,100,33) CHIP SOLID INDUCTOR	ATL7002
	L	952	(B,25,56) CHIP SOLID INDUCTOR	QTL1013
	JA	501	(A,140,35) JACK	AKB7131
	X	601	(A,106,39) CRYSTAL RESONATOR (12.288MHz)	ASS7046
	X	801	(A,36,36) CRYSTAL RESONATOR (20 MHz)	VSS1171
	CN	601	(A,100,63) 10P CONNECTOR	VKN1414
	CN	701	(A,81,28) 19P SOCKET	XKP3080
	CN	902	(A,114,28) 13P SOCKET	XKP3077
	CN	952	(A,43,28) 15P SOCKET	XKP3078

RESISTORS

	R	501	(B,129,29)	RS1/16S750J
	R	502	(B,127,42)	RS1/16S750J
	R	503	(B,123,42)	RS1/16S473J
	R	504	(A,117,62)	RS1/16S473J
	R	505	(A,115,62)	RS1/16S0R0J
	R	506	(B,123,38)	RS1/16S222J
	R	507	(A,118,62)	RS1/16S222J
	R	508	(B,121,42)	RS1/16S101J
	R	509	(B,117,62)	RS1/16S101J
	R	512	(B,121,62)	RS1/16S101J
	R	513	(B,123,62)	RS1/16S101J
	R	551	(B,63,60)	RS1/16S104J
	R	552	(B,65,60)	RS1/16S104J
	R	553	(B,67,60)	RS1/16S104J
	R	554	(B,69,60)	RS1/16S104J
	R	555	(B,71,60)	RS1/16S104J
	R	556	(B,75,60)	RS1/16S104J
	R	557	(B,77,60)	RS1/16S104J
	R	558	(B,79,60)	RS1/16S104J
	R	559	(B,81,62)	RS1/16S104J
	R	560	(B,83,62)	RS1/16S104J
	R	561	(B,85,62)	RS1/16S104J
	R	572	(A,90,54)	RS1/16S0R0J
	R	573	(B,90,54)	RS1/16S0R0J
	R	574	(B,76,56)	RS1/16S0R0J
	R	575	(B,74,56)	RS1/16S0R0J
	R	577	(B,93,61)	RS1/16S104J
	R	579	(A,96,58)	RS1/16S0R0J
	R	601	(A,110,57)	RS1/16S0R0J
	R	602	(A,109,57)	RS1/16S0R0J
	R	603	(A,107,57)	RS1/16S0R0J
	R	604	(B,111,63)	RS1/16S104J
	R	605	(B,109,63)	RS1/16S104J
	R	606	(B,107,63)	RS1/16S104J
	R	607	(A,106,57)	RS1/16S0R0J
	R	609	(A,99,57)	RS1/16S0R0J
	R	610	(B,101,62)	RS1/16S0R0J
	R	612	(A,96,47)	RS1/16S0R0J
	R	613	(A,99,52)	RS1/16S101J
	R	614	(A,97,58)	RS1/16S101J
	R	615	(A,99,47)	RS1/16S470J
	R	616	(A,99,46)	RS1/16S101J
	R	617	(A,99,44)	RS1/16S101J
	R	618	(A,99,43)	RS1/16S101J
	R	620	(A,99,41)	RS1/16S470J
	R	622	(A,111,42)	RS1/16S0R0J
	R	623	(A,114,42)	RS1/16S0R0J
	R	624	(A,114,43)	RS1/16S101J
	R	625	(A,114,44)	RS1/16S101J
	R	626	(A,114,46)	RS1/16S101J
	R	627	(A,113,40)	RS1/16S103J
	R	628	(A,115,51)	RS1/16S1802F
	R	629	(A,115,53)	RS1/16S0R0J
	R	630	(A,115,57)	RS1/16S0R0J
	R	701	(B,76,49)	RS1/16S470J
	R	702	(B,72,49)	RS1/16S101J
	R	703	(B,62,40)	RS1/16S0R0J
	R	704	(B,68,41)	RS1/16S4R7J
	R	705	(A,58,32)	RS1/16S101J
	R	706	(A,61,32)	RS1/16S101J
	R	707	(A,63,32)	RS1/16S101J
	R	708	(A,66,32)	RS1/16S101J
	R	709	(A,68,32)	RS1/16S101J
	R	710	(A,71,32)	RS1/16S101J
	R	711	(A,73,32)	RS1/16S101J
	R	712	(A,76,32)	RS1/16S101J
	R	713	(A,84,44)	RS1/16S470J
	R	714	(A,84,49)	RS1/16S101J
	R	715	(A,85,50)	RS1/16S101J
	R	716	(A,82,51)	RS1/16S101J
	R	801	(A,54,63)	RS1/16S470J
	R	802	(A,45,64)	RAB4C101J
	R	803	(B,50,62)	RS1/16S103J
	R	804	(B,48,62)	RS1/16S103J
	R	805	(B,46,62)	RS1/16S103J
	R	806	(B,44,62)	RS1/16S103J
	R	807	(B,42,56)	RS1/16S473J
	R	808	(B,35,56)	RS1/16S472J
	R	809	(B,40,56)	RS1/16S472J

Mark	No.	Description	Part No.
	R 810	(A,31,52)	RS1/16S473J
	R 811	(B,30,51)	RS1/16S472J
	R 812	(B,32,51)	RS1/16S101J
	R 813	(A,27,49)	RS1/16S103J
	R 815	(A,38,40)	RS1/16S105J
	R 816	(A,35,40)	RS1/16S471J
	R 817	(A,44,42)	RS1/16S101J
	R 819	(B,38,49)	RS1/16S101J
	R 821	(B,37,43)	RS1/16S0R0J
	R 822	(B,42,44)	RS1/16S103J
	R 823	(B,43,50)	RS1/16S473J
	R 827	(B,51,51)	RS1/16S470J
	R 828	(A,54,44)	RS1/16S470J
	R 829	(A,56,48)	RS1/16S470J
	R 830	(A,57,48)	RS1/16S470J
	R 832	(A,53,54)	RS1/16S470J
	R 833	(A,57,57)	RS1/16S470J
	R 834	(A,57,58)	RS1/16S470J
	R 835	(A,57,60)	RS1/16S470J
	R 836	(A,57,61)	RS1/16S470J
	R 840	(A,23,49)	RS1/16S101J
	R 841	(A,63,46)	RS1/16S473J
	R 851	(A,53,45)	RS1/16S470J
	R 852	(B,53,45)	RS1/16S222J
	R 853	(A,56,34)	RS1/16S0R0J
	R 855	(B,53,41)	RS1/16S103J
	R 856	(A,57,45)	RS1/16S103J
	R 857	(B,55,44)	RS1/16S103J
	R 871	(B,58,48)	RS1/16S470J
	R 872	(B,60,48)	RS1/16S470J
	R 873	(B,60,56)	RS1/16S470J
	R 874	(B,58,56)	RS1/16S470J
	R 904	(B,113,31)	RS1/16S104J
	R 905	(B,111,33)	RS1/16S104J
	R 906	(B,107,31)	RS1/16S104J
	R 908	(A,121,27)	RS1/16S0R0J
	R 913	(A,85,30)	RS1/16S0R0J
	R 915	(B,89,37)	RS1/16S102J
	R 951	(A,26,49)	RS1/16S101J
	R 952	(A,25,49)	RS1/16S101J
	R 953	(A,22,49)	RS1/16S101J
	R 954	(B,22,39)	RS1/16S331J
	R 955	(B,20,39)	RS1/16S331J
	R 956	(B,18,39)	RS1/16S331J
	R 957	(B,16,39)	RS1/16S331J
	R 958	(A,17,44)	RS1/16S331J
	R 959	(A,18,44)	RS1/16S331J
	R 960	(A,19,45)	RS1/16S331J
	R 961	(A,21,45)	RS1/16S331J
	R 962	(A,20,31) RESISTOR ARRAY	RAB4C104J
	R 967	(A,29,32)	RS1/16S104J
	R 968	(A,31,32)	RS1/16S104J
	R 969	(A,33,32)	RS1/16S104J
	R 970	(A,37,32) RESISTOR ARRAY	RAB4C104J
	R 974	(A,42,32)	RS1/16S0R0J
	R 975	(A,15,52)	RS1/16S101J
	R 976	(A,16,52)	RS1/16S101J
	R 983	(B,15,32)	RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
	C 503	(B,125,29)	CKSRYB103K50
	C 504	(B,125,42)	CKSRYB103K50
	C 505	(B,125,38)	CCSRCH470J50
	C 506	(A,121,62)	CCSRCH470J50
	C 511	(B,125,52)	CCSRCH471J50
	C 512	(B,127,52)	CKSRYB105K6R3
	C 513	(A,121,56)	CEVW101M16
	C 605	(A,99,55)	CCSRCH471J50
	C 606	(A,100,55)	CKSRYB104K16
	C 607	(A,94,53)	CEVW470M6R3
	C 608	(A,99,49)	CCSRCH471J50
	C 609	(A,100,49)	CKSRYB104K16
	C 612	(A,103,42)	CCSRCH120J50
	C 613	(A,107,42)	CCSRCH120J50
	C 614	(B,111,41)	CKSRYB104K16
	C 617	(B,117,42)	CKSRYB102K50
	C 618	(A,121,45)	CEVW470M6R3
	C 619	(A,116,48)	CKSRYB104K16
	C 620	(A,114,48)	CCSRCH471J50
	C 621	(A,114,51)	CKSRYB474K10
	C 701	(A,65,47)	CKSRYB103K50
	C 702	(A,66,47)	CCSRCH471J50
	C 703	(A,62,38)	CEVW101M16
	C 704	(A,65,44)	CKSRYB104K16
	C 705	(A,66,44)	CCSRCH101J50
	C 706	(B,64,40)	CKSRYB104K16
	C 707	(B,58,33)	CCSRCH471J50
	C 708	(B,61,33)	CCSRCH471J50
	C 709	(B,63,33)	CCSRCH471J50
	C 710	(B,66,33)	CCSRCH471J50
	C 711	(B,68,33)	CCSRCH471J50
	C 712	(B,71,33)	CCSRCH471J50
	C 713	(B,73,33)	CCSRCH471J50
	C 714	(B,76,33)	CCSRCH471J50
	C 715	(A,88,42)	CEVW101M16
	C 716	(A,84,41)	CKSRYB104K16
	C 717	(A,83,41)	CCSRCH471J50
	C 718	(A,85,33)	CEVW470M6R3
	C 720	(A,83,38)	CKSRYB104K16
	C 801	(A,49,63)	CCSRCH471J50
	C 802	(A,49,64)	CKSRYB104K16
	C 803	(A,42,63)	CCSRCH471J50
	C 804	(A,42,64)	CKSRYB104K16
	C 805	(A,37,63)	CCSRCH471J50
	C 806	(A,37,64)	CKSRYB104K16
	C 807	(A,32,58)	CCSRCH471J50
	C 808	(A,31,58)	CKSRYB104K16
	C 809	(A,32,55)	CCSRCH471J50
	C 810	(A,31,55)	CKSRYB104K16
	C 814	(A,32,47)	CCSRCH471J50
	C 815	(A,31,47)	CKSRYB104K16
	C 816	(A,32,40)	CCSRCH8R0D50
	C 817	(A,41,40)	CCSRCH8R0D50
	C 818	(A,46,34)	CCSRCH471J50
	C 819	(A,46,33)	CKSRYB104K16
	C 820	(A,46,31)	CKSRYB103K50
	C 821	(A,35,43)	CCSRCH471J50
	C 822	(A,35,42)	CKSRYB104K16
	C 823	(A,37,43)	CCSRCH471J50

Mark	No.	Description	Part No.
	C 824	(A,37,42)	CKSRYB104K16
	C 825	(B,38,52)	CKSRYB103K50
	C 826	(A,44,44)	CCSRCH471J50
	C 827	(A,41,44)	CKSRYB104K16
	C 828	(A,53,48)	CCSRCH471J50
	C 829	(A,54,48)	CKSRYB104K16
	C 830	(A,53,52)	CCSRCH471J50
	C 831	(A,54,52)	CKSRYB104K16
	C 832	(A,53,57)	CCSRCH471J50
	C 833	(A,54,57)	CKSRYB104K16
	C 834	(A,52,28)	CEVW101M16
	C 835	(A,63,52)	CEVW101M16
	C 851	(A,51,38)	CCSRCH471J50
	C 852	(A,50,38)	CKSRYB104K16
	C 871	(B,66,52)	CCSRCH471J50
	C 872	(B,68,52)	CKSRYB104K16
	C 907	(B,114,38)	CKSRYB104K16
	C 908	(A,121,37)	CEVW101M16
	C 909	(A,96,34)	CEVW101M16
	C 916	(B,67,47)	CCSRCH471J50
	C 917	(B,69,47)	CKSRYB103K50
	C 918	(B,79,49)	CKSRYB104K16
	C 919	(B,80,49)	CCSRCH471J50
	C 954	(B,26,52)	CCSRCH471J50
	C 955	(B,28,52)	CKSRYB104K16
	C 956	(A,24,54)	CEVW100M16

C POWER PACK ASSY (XWZ4087)

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	IC 601	(A,265,14) POWER PACK 2CH	STK412-230C
⚠	IC 602	(A,199,14) POWER PACK 2CH	STK412-230C
⚠	IC 603	(A,132,14) POWER PACK 3CH	STK413-230C
⚠	IC 610	(A,59,28) PROTECTOR(1A)	AEK7009
⚠	IC 803	(A,238,87) IC	TA7805S
⚠	IC 804	(A,282,111) REGULATOR IC	TA7809S
⚠	IC 805	(B,271,135) IC	BA178M05FP
	Q 501	(B,85,42) CHIP TRANSISTOR	2SD2704K
	Q 505	(A,111,47) TRANSISTOR	2SC2240
	Q 601	(B,93,47) CHIP TRANSISTOR	2SD2704K
	Q 602	(B,227,45) CHIP TRANSISTOR	2SD2704K
	Q 605	(A,118,40) TRANSISTOR	2SC2240
	Q 606	(A,252,40) TRANSISTOR	2SC2240
	Q 631	(B,153,42) CHIP TRANSISTOR	2SD2704K
	Q 633	(A,178,47) TRANSISTOR	2SC2240
	Q 651	(B,161,45) CHIP TRANSISTOR	2SD2704K
	Q 652	(B,219,42) CHIP TRANSISTOR	2SD2704K
	Q 655	(A,186,40) TRANSISTOR	2SC2240
	Q 656	(A,244,47) TRANSISTOR	2SC2240
	Q 681	(B,72,63) CHIP TRANSISTOR	2SD2704K
	Q 683	(A,59,65) TRANSISTOR	2SC2240
	Q 696	(B,284,22) TRANSISTOR	2SC4081
	Q 697	(B,282,26) TRANSISTOR	2SC4081
	Q 698	(B,246,67) TRANSISTOR	RT1N241M
⚠	Q 701	(A,110,75) TRANSISTOR	2SC5511
⚠	Q 702	(A,96,86) TRANSISTOR	2SA2005
	Q 703	(A,155,76) TRANSISTOR	2SA1145
	Q 704	(A,166,79) TRANSISTOR	2SC2240
	Q 705	(B,245,74) CHIP TRANSISTOR	RN4903
	Q 707	(B,241,74) CHIP TRANSISTOR	RN4903
	Q 721	(A,142,71) TRANSISTOR	2SA1145
	Q 722	(A,161,74) TRANSISTOR	2SC2240
	Q 801	(B,277,141) DIGITAL TR(SC-70)	RT1P241M
	Q 802	(B,274,145) TRANSISTOR	RT1N241M
	Q 803	(B,265,140) DIGITAL TR(SC-70)	RT1P241M
	Q 804	(B,268,145) TRANSISTOR	RT1N241M
	Q 805	(B,277,146) DIGITAL TR(SC-70)	RT1P241M
	Q 806	(B,271,145) TRANSISTOR	RT1N241M
	Q 807	(B,276,53) CHIP TR(2*PNP)	RN2903
	Q 808	(B,283,56) CHIP TRANSISTOR	RN1903
	Q 809	(A,266,101) TRANSISTOR	2SD1858X
	D 601	(A,125,57) DIODE	1SS133
	D 602	(A,267,17) ZENER DIODE	MTZJ15A
	D 603	(A,119,57) DIODE	1SS133
	D 604	(A,261,21) ZENER DIODE	MTZJ15A
	D 606	(A,259,57) DIODE	1SS133
	D 608	(A,253,52) DIODE	1SS133
	D 631	(A,192,61) DIODE	1SS133
	D 632	(A,176,52) DIODE	1SS133
	D 647	(A,200,17) ZENER DIODE	MTZJ15A
	D 648	(A,196,21) ZENER DIODE	MTZJ15A
	D 651	(A,192,57) DIODE	1SS133
	D 652	(A,262,57) DIODE	1SS133
	D 653	(A,186,52) DIODE	1SS133
	D 654	(A,242,52) DIODE	1SS133
	D 681	(A,132,17) ZENER DIODE	MTZJ15A
	D 682	(A,129,22) ZENER DIODE	MTZJ15A
	D 683	(A,135,58) DIODE	1SS133
	D 684	(A,65,72) DIODE	1SS133
⚠	D 701	(A,9,88) DIODE	D5SBA20(B)
⚠	D 702	(A,9,126) DIODE	D5SBA20(B)
	D 703	(B,252,76) DIODE	1SS355
	D 711	(A,196,103) ZENER DIODE	MTZJ22D
	D 712	(A,192,103) DIODE	MTZJ6R8(B)
	D 713	(A,120,78) DIODE	1SS133
	D 752	(B,170,135) DIODE	1SS355
	D 754	(B,141,132) DIODE	1SS355
	D 758	(B,73,136) DIODE	1SS355
	D 777	(A,127,57) DIODE	1SS133
	D 778	(A,108,57) DIODE	1SS133
⚠	D 801	(B,221,113) BRIDGE DIODE	S1WB(A)60SD
	D 805	(A,276,131) DIODE	1SS133
	D 806	(A,287,62) DIODE	MTZJ6R2(B)
	D 807	(A,284,67) DIODE	1SS133
	D 827	(A,262,133) DIODE	MTZJ6R2(B)
	D 828	(A,239,98) DIODE	MTZJ6R2(B)
⚠	D 829	(A,239,128) DIODE	D3SBA20(B)
	L 501	(A,97,118) COIL	ATH1004
	L 751	(A,160,108) COIL	ATH1004
	L 752	(A,173,108) COIL	ATH1004
	L 753	(A,120,107) COIL	ATH1004
	L 754	(A,78,118) COIL	ATH1004
	L 761	(A,130,108) COIL	ATH1004
	L 762	(A,142,108) COIL	ATH1004
	J 43	JUMPER WIRE 11P	D20PYY1120E
	KN601	(A,65,23) WRAPPING TERMINAL	VNF1084
	RY501	(A,75,132) RELAY	XSR3012
	RY751	(A,173,130) RELAY	XSR3012
	RY752	(A,141,126) RELAY	XSR3012
	RY753	(A,117,120) RELAY	XSR3012

Mark	No.	Description	Part No.
	CN604	(A,87,134) CONNECTOR	CKS3373
	CN701	(A,212,134) 11PJUMPER CONNECTOR	52147-1110
	CN702	(A,201,106) 6P JUMPER CONNECTOR	52147-0610
	CN705	(A,295,40) 21P PLUG	XKM3011
	CN751	SP TERMINAL 8-P(V0)	XKE3039
	CN752	SP TERMINAL 6-P(V0)	XKE3040
	CN803	(A,231,129) 6P PLUG	KM200TA6
	CN805	(A,317,153) 13P PLUG	XKP3066
	CN806	19P PLUG	XKP3069
	CN807	(A,317,82) 15P PLUG	XKP3067
	CN815	(A,295,79) 19P PLUG	XKM3005
	CN816	(A,295,126) 21P PLUG	XKM3011
	CN817	(A,308,38) CONNECTOR	CKS3382
	810	(A,277,90) 11P CABLE HOLDER	51048-1100

RESISTORS

Mark	No.	Description	Part No.
	R 601	(A,96,56)	RD1/4PU222J
	R 602	(A,230,52)	RD1/4PU222J
	R 603	(B,93,52)	RS1/16S103J
	R 604	(B,226,49)	RS1/16S103J
	R 609	(A,91,35)	RD1/4PU273J
	R 610	(A,225,35)	RD1/4PU273J
	R 611	(A,90,28)	RD1/4PU821J
	R 612	(A,223,28)	RD1/4PU821J
	R 613	(A,114,21)	RD1/4PU273J
	R 614	(A,247,21)	RD1/4PU273J
	R 615	(A,123,36)	RD1/4PU331J
	R 616	(A,270,29)	RD1/4PU562J
⚠	R 617	(A,114,31) RESISTOR (0.22, 5W)	ACN7094
	R 618	(A,266,28)	RD1/4PU562J
	R 619	(A,122,52)	RD1/4PU182J
	R 620	(A,257,36)	RD1/4PU331J
	R 621	(A,124,49)	RD1/4PU821J
⚠	R 622	(A,248,31) RESISTOR (0.22, 5W)	ACN7094
	R 623	(A,116,48)	RD1/4PU223J
	R 624	(A,257,52)	RD1/4PU182J
	R 626	(A,258,49)	RD1/4PU821J
	R 628	(A,250,48)	RD1/4PU223J
	R 630	(A,230,21)	RD1/4PU333J
	R 631	(A,148,46)	RD1/4PU222J
	R 632	(B,152,47)	RS1/16S103J
	R 635	(A,153,29)	RD1/4PU273J
	R 636	(A,149,25)	RD1/4PU821J
	R 637	(A,172,21)	RD1/4PU273J
	R 638	(A,174,36)	RD1/4PU331J
⚠	R 639	(A,173,31) RESISTOR (0.22, 5W)	ACN7094
	R 640	(A,179,57)	RD1/4PU182J
	R 641	(A,174,52)	RD1/4PU821J
	R 642	(A,169,39)	RD1/4PU223J
	R 647	(A,202,27)	RD1/4PU562J
	R 648	(A,199,27)	RD1/4PU562J
	R 651	(A,164,56)	RD1/4PU222J
	R 652	(A,215,41)	RD1/4PU222J
	R 653	(B,160,50)	RS1/16S103J
	R 654	(B,219,46)	RS1/16S103J
	R 659	(A,159,35)	RD1/4PU273J
	R 660	(A,220,29)	RD1/4PU273J
	R 661	(A,156,28)	RD1/4PU821J
	R 662	(A,216,20)	RD1/4PU821J
	R 663	(A,181,21)	RD1/4PU273J
	R 664	(A,238,21)	RD1/4PU273J
	R 665	(A,190,36)	RD1/4PU331J
	R 666	(A,240,35)	RD1/4PU331J
⚠	R 667	(A,182,31) RESISTOR (0.22, 5W)	ACN7094
⚠	R 668	(A,239,31) RESISTOR (0.22, 5W)	ACN7094
	R 669	(A,189,52)	RD1/4PU182J
	R 670	(A,245,52)	RD1/4PU182J
	R 671	(A,192,49)	RD1/4PU821J
	R 672	(A,240,57)	RD1/4PU821J
	R 673	(A,184,48)	RD1/4PU223J
	R 674	(A,236,38)	RD1/4PU223J
	R 681	(A,66,63)	RD1/4PU222J
	R 682	(B,76,63)	RS1/16S103J
	R 685	(A,77,41)	RD1/4PU273J
	R 686	(A,78,35)	RD1/4PU821J
	R 687	(A,83,10)	RD1/4PU273J
	R 688	(A,135,27)	RD1/4PU562J
	R 689	(A,133,27)	RD1/4PU562J
	R 690	(A,60,52)	RD1/4PU331J
⚠	R 691	(A,55,55) RESISTOR (0.22, 5W)	ACN7094
	R 692	(A,70,72)	RD1/4PU182J
	R 693	(A,67,77)	RD1/4PU821J
	R 694	(A,62,72)	RD1/4PU223J
	R 695	(A,97,22)	RD1/4PU333J
	R 696	(B,281,38)	RS1/16S103J
	R 697	(B,255,68)	RS1/16S103J
	R 698	(B,243,67)	RS1/16S333J
	R 699	(A,165,21)	RD1/4PU333J
	R 701	(A,117,78)	RD1/4PU562J
	R 702	(A,101,84)	RD1/4PU562J
	R 703	(A,151,72)	RD1/4PU203J
	R 704	(A,147,76)	RD1/4PU203J
	R 705	(A,283,85)	RD1/4PU473J
	R 706	(A,283,75)	RD1/4PU473J
	R 707	(A,135,77)	RD1/4PU184J
	R 708	(A,147,81)	RD1/4PU184J
⚠	R 709	(A,104,72) METAL OXIDE RESISTOR	RS1LMF272J
⚠	R 710	(A,89,93) METAL OXIDE RESISTOR	RS1LMF272J
⚠	R 711	(A,181,86) METAL OXIDE RESISTOR	RS2LMF242J
	R 713	(A,117,81)	RD1/4PU102J
	R 714	(B,252,68)	RS1/16S102J
	R 715	(B,250,75)	RS1/16S103J
	R 716	(B,247,75)	RS1/16S103J
	R 721	(A,125,77)	RD1/4PU682J
	R 722	(A,123,77)	RD1/4PU682J
	R 723	(A,276,78)	RD1/4PU473J
	R 724	(A,279,83)	RD1/4PU473J
	R 725	(A,276,74)	RD1/4PU103J
	R 726	(B,291,59)	RS1/16S103J
	R 727	(B,287,59)	RS1/16S103J
⚠	R 751	(A,158,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R 752	(A,185,120) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R 753	(A,156,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R 754	(A,181,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R 755	(A,103,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R 756	(A,101,120) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R 761	(A,125,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R 762	(A,155,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R 763	(A,124,132) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R 764	(A,149,139) METAL OXIDE RESISTOR	RS1LMF4R7J

Mark	No.		Description	Part No.
⚠	R	771	(A,63,144) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	772	(A,63,127) CARBON FILM RESISTOR	RD1/4PUF101J
	R	777	(A,81,41)	RD1/4PU222J
	R	778	(B,84,48)	RS1/16S103J
	R	781	(A,87,30)	RD1/4PU273J
	R	782	(A,84,22)	RD1/4PU821J
	R	783	(A,104,21)	RD1/4PU273J
	R	784	(A,111,35)	RD1/4PU331J
⚠	R	785	(A,105,31) RESISTOR (0.22, 5W)	ACN7094
	R	786	(A,111,57)	RD1/4PU182J
	R	787	(A,106,57)	RD1/4PU821J
	R	788	(A,102,38)	RD1/4PU223J
	R	789	(A,82,127) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	790	(A,80,145) METAL OXIDE RESISTOR	RS1LMF4R7J
	R	806	(B,283,48)	RS1/16S103J
	R	807	(B,278,48)	RS1/16S103J
	R	808	(B,283,52)	RS1/16S102J
	R	809	(B,261,105)	RS1/16S122J
	R	810	(B,264,105)	RS1/16S271J
	R	885	(B,310,57)	RS1/16S221J
	R	886	(B,310,61)	RS1/16S221J
	R	887	(B,310,65)	RS1/16S221J
	R	888	(B,315,22)	RS1/16S221J
	R	1101	(B,273,68)	RS1/16S0R0J
	R	1102	(B,274,61)	RS1/16S0R0J
	R	1103	(B,70,136)	RS1/16S0R0J
	R	1104	(B,138,132)	RS1/16S0R0J
	R	1105	(B,168,135)	RS1/16S0R0J
	R	1106	(B,146,53)	RS1/16S0R0J
	R	1107	(B,211,58)	RS1/16S0R0J
	R	1108	(B,233,58)	RS1/16S0R0J
	R	1109	(B,285,56)	RS1/16S0R0J
	R	1110	(B,241,68)	RS1/16S0R0J

CAPACITORS

	C	517	(A,82,154) FILM CAPACITOR	CQMBA104J50
	C	603	(B,94,39)	CKSRYB331K50
	C	604	(B,227,38)	CKSRYB331K50
	C	605	(A,96,38)	CEAT4R7M50
	C	606	(A,230,38)	CEAT4R7M50
	C	607	(B,95,20)	CCSRCH470J50
	C	608	(B,230,17)	CCSRCH470J50
	C	609	(A,91,32)	CEAT101M16
	C	610	(A,225,32)	CEAT101M16
	C	611	(B,117,22)	CCSRCH470J50
	C	612	(B,250,24)	CCSRCH470J50
	C	613	(B,117,27)	CCSRCH470J50
	C	614	(B,250,28)	CCSRCH470J50
	C	615	(A,116,45)	CEANP2R2M50
	C	616	(A,250,45)	CEANP2R2M50
	C	630	(A,172,44)	CEANP2R2M50
	C	632	(B,151,33)	CKSRYB331K50
	C	633	(A,148,33)	CEAT4R7M50
	C	634	(B,155,17)	CCSRCH470J50
	C	635	(A,153,25)	CEAT101M16
	C	636	(B,175,28)	CCSRCH470J50
	C	637	(B,175,24)	CCSRCH470J50
	C	653	(B,161,38)	CKSRYB331K50
	C	654	(B,217,33)	CKSRYB331K50
	C	655	(A,164,38)	CEAT4R7M50
	C	656	(A,215,33)	CEAT4R7M50
	C	657	(B,165,17)	CCSRCH470J50
	C	658	(B,221,17)	CCSRCH470J50
	C	659	(A,158,31)	CEAT101M16
	C	660	(A,219,25)	CEAT101M16
	C	661	(B,184,23)	CCSRCH470J50
	C	662	(B,241,27)	CCSRCH470J50
	C	663	(B,184,27)	CCSRCH470J50
	C	664	(B,241,24)	CCSRCH470J50
	C	665	(A,184,45)	CEANP2R2M50
	C	666	(A,239,49)	CEANP2R2M50
	C	682	(B,74,48)	CKSRYB331K50
	C	683	(A,74,50)	CEAT4R7M50
	C	684	(B,82,18)	CCSRCH470J50
	C	685	(A,78,38)	CEAT101M16
	C	686	(B,92,9)	CCSRCH470J50
	C	687	(B,87,8)	CCSRCH470J50
	C	688	(A,75,78)	CEANP2R2M50
	C	696	(B,281,35)	CKSRYB102K50
	C	697	(A,286,34)	CEAT221M6R3
	C	701	(A,49,80) ELECT.CAPACITOR	XCH3026
	C	702	(A,49,107) ELECT.CAPACITOR	XCH3026
	C	703	(A,43,130) ELECT.CAPACITOR	XCH3012
	C	704	(A,38,150) ELECT.CAPACITOR	XCH3012
	C	705	(A,156,81) ELECT. CAPACITOR	CEAT100M2A
	C	706	(A,143,84) ELECT. CAPACITOR	CEAT100M2A
	C	707	(A,17,99) MYLAR FILM CAPACITOR	CQMA103K2E
	C	708	(A,16,137) MYLAR FILM CAPACITOR	CQMA103K2E
	C	709	(A,257,73)	CEAT1R0M50
	C	711	(A,195,99) ELECT. CAPACITOR	CEAT101M35
	C	712	(A,189,105)	CEAT101M10
	C	751	(A,159,143) FILM CAPACITOR	CQMBA104J50
	C	752	(A,181,150) FILM CAPACITOR	CQMBA104J50
	C	755	(A,103,147) FILM CAPACITOR	CQMBA104J50
	C	761	(A,122,139) FILM CAPACITOR	CQMBA104J50
	C	762	(A,152,145) FILM CAPACITOR	CQMBA104J50
	C	771	(A,52,147) FILM CAPACITOR	CQMBA104J50
	C	778	(B,84,34)	CKSRYB331K50
	C	779	(A,81,33)	CEAT4R7M50
	C	780	(B,88,18)	CCSRCH470J50
	C	781	(A,87,27)	CEAT101M16
	C	782	(B,107,27)	CCSRCH470J50
	C	783	(B,107,24)	CCSRCH470J50
	C	784	(A,105,49)	CEANP2R2M50
	C	801	(A,248,114) ELECT. CAPACITOR	CEAT222M25
	C	802	(A,249,100) ELECT. CAPACITOR	CEAT222M25
	C	806	(A,288,55)	CEAT1R0M50
	C	807	(B,226,95)	CKSRYB103K25
	C	808	(A,245,142) ELECT. CAPACITOR	CEAT472M16
	C	809	(A,234,95)	CEAT101M10
	C	810	(A,266,133)	CEAT101M10
	C	811	(B,279,128)	CKSRYB103K25
	C	812	(B,278,109)	CKSRYB103K25
	C	813	(A,276,118)	CEAT101M16

C POWER PACK ASSY (XWZ4088)

MISCELLANEOUS

⚠	IC	601	(A,265,14) POWER PACK 2CH	STK412-230C

Mark	No.	Description	Part No.
⚠	IC 602	(A,199,14) POWER PACK 2CH	STK412-230C
⚠	IC 603	(A,132,14) POWER PACK 3CH	STK413-230C
⚠	IC 610	(A,59,28) PROTECTOR(1A)	AEK7009
	IC 701	(A,100,75) IC PROTECTOR	ICP-N10
	IC 702	(A,84,81) IC PROTECTOR	ICP-N10
⚠	IC 803	(A,238,87) IC	TA7805S
⚠	IC 804	(A,282,111) REGULATOR IC	TA7809S
⚠	IC 805	(B,271,135) IC	BA178M05FP
	Q 501	(B,85,42) CHIP TRANSISTOR	2SD2704K
	Q 505	(A,111,47) TRANSISTOR	2SC2240
	Q 601	(B,93,47) CHIP TRANSISTOR	2SD2704K
	Q 602	(B,227,45) CHIP TRANSISTOR	2SD2704K
	Q 605	(A,118,40) TRANSISTOR	2SC2240
	Q 606	(A,252,40) TRANSISTOR	2SC2240
	Q 631	(B,153,42) CHIP TRANSISTOR	2SD2704K
	Q 633	(A,178,47) TRANSISTOR	2SC2240
	Q 651	(B,161,45) CHIP TRANSISTOR	2SD2704K
	Q 652	(B,219,42) CHIP TRANSISTOR	2SD2704K
	Q 655	(A,186,40) TRANSISTOR	2SC2240
	Q 656	(A,244,47) TRANSISTOR	2SC2240
	Q 681	(B,72,63) CHIP TRANSISTOR	2SD2704K
	Q 683	(A,59,65) TRANSISTOR	2SC2240
	Q 696	(B,284,22) TRANSISTOR	2SC4081
	Q 697	(B,282,26) TRANSISTOR	2SC4081
	Q 698	(B,246,67) TRANSISTOR	RT1N241M
⚠	Q 701	(A,110,75) TRANSISTOR	2SC5511
⚠	Q 702	(A,96,86) TRANSISTOR	2SA2005
	Q 703	(A,155,76) TRANSISTOR	2SA1145
	Q 704	(A,166,79) TRANSISTOR	2SC2240
	Q 705	(B,245,74) CHIP TRANSISTOR	RN4903
	Q 707	(B,241,74) CHIP TRANSISTOR	RN4903
	Q 721	(A,142,71) TRANSISTOR	2SA1145
	Q 722	(A,161,74) TRANSISTOR	2SC2240
	Q 801	(B,277,141) DIGITAL TR(SC-70)	RT1P241M
	Q 802	(B,274,145) TRANSISTOR	RT1N241M
	Q 803	(B,265,140) DIGITAL TR(SC-70)	RT1P241M
	Q 804	(B,268,145) TRANSISTOR	RT1N241M
	Q 805	(B,277,146) DIGITAL TR(SC-70)	RT1P241M
	Q 806	(B,271,145) TRANSISTOR	RT1N241M
	Q 807	(B,276,53) CHIP TR(2*PNP)	RN2903
	Q 808	(B,283,56) CHIP TRANSISTOR	RN1903
	Q 809	(A,266,101) TRANSISTOR	2SD1858X
	D 601	(A,125,57) DIODE	1SS133
	D 602	(A,267,17) ZENER DIODE	MTZJ15A
	D 603	(A,119,57) DIODE	1SS133
	D 604	(A,261,21) ZENER DIODE	MTZJ15A
	D 606	(A,259,57) DIODE	1SS133
	D 608	(A,253,52) DIODE	1SS133
	D 631	(A,192,61) DIODE	1SS133
	D 632	(A,176,52) DIODE	1SS133
	D 647	(A,200,17) ZENER DIODE	MTZJ15A
	D 648	(A,196,21) ZENER DIODE	MTZJ15A
	D 651	(A,192,57) DIODE	1SS133
	D 652	(A,262,57) DIODE	1SS133
	D 653	(A,186,52) DIODE	1SS133
	D 654	(A,242,52) DIODE	1SS133
	D 681	(A,132,17) ZENER DIODE	MTZJ15A
	D 682	(A,129,22) ZENER DIODE	MTZJ15A
	D 683	(A,135,58) DIODE	1SS133
	D 684	(A,65,72) DIODE	1SS133

Mark	No.	Description	Part No.
⚠	D 701	(A,9,88) DIODE	D5SBA20(B)
⚠	D 702	(A,9,126) DIODE	D5SBA20(B)
	D 703	(B,252,76) DIODE	1SS355
	D 711	(A,196,103) ZENER DIODE	MTZJ22D
	D 712	(A,192,103) DIODE	MTZJ6R8(B)
	D 713	(A,120,78) DIODE	1SS133
	D 751	(B,168,135) DIODE	1SS355
	D 752	(B,170,135) DIODE	1SS355
	D 753	(B,138,132) DIODE	1SS355
	D 754	(B,141,132) DIODE	1SS355
	D 757	(B,70,136) DIODE	1SS355
	D 758	(B,73,136) DIODE	1SS355
	D 777	(A,127,57) DIODE	1SS133
	D 778	(A,108,57) DIODE	1SS133
⚠	D 801	(B,221,113) BRIDGE DIODE	S1WB(A)60SD
	D 805	(A,276,131) DIODE	1SS133
	D 806	(A,287,62) DIODE	MTZJ6R2(B)
	D 807	(A,284,67) DIODE	1SS133
	D 827	(A,262,133) DIODE	MTZJ6R2(B)
	D 828	(A,239,98) DIODE	MTZJ6R2(B)
⚠	D 829	(A,239,128) DIODE	D3SBA20(B)
	L 501	(A,97,118) COIL	ATH1004
	L 751	(A,160,108) COIL	ATH1004
	L 752	(A,173,108) COIL	ATH1004
	L 753	(A,120,107) COIL	ATH1004
	L 754	(A,78,118) COIL	ATH1004
	L 761	(A,130,108) COIL	ATH1004
	L 762	(A,142,108) COIL	ATH1004
	J 43	JUMPER WIRE 11P	D20PYY1120E
	KN601	(A,65,23) WRAPPING TERMINAL	VNF1084
	RY501	(A,75,132) RELAY	XSR3012
	RY751	(A,173,130) RELAY	XSR3012
	RY752	(A,141,126) RELAY	XSR3012
	RY753	(A,117,120) RELAY	XSR3012
	CN604	(A,87,134) CONNECTOR	CKS3373
	CN701	(A,212,134) 11PJUMPER CONNECTOR	52147-1110
	CN702	(A,201,106) 6P JUMPER CONNECTOR	52147-0610
	CN705	(A,295,40) 21P PLUG	XKM3011
	CN751	SP TERMINAL 8-P(V0)	XKE3042
	CN752	SP TERMINAL 6-P(V0)	XKE3043
	CN803	(A,231,129) 6P PLUG	KM200TA6
	CN805	(A,317,153) 13P PLUG	XKP3066
	CN806	19P PLUG	XKP3069
	CN807	(A,317,82) 15P PLUG	XKP3067
	CN812	(A,323,30) 15P PLUG	XKP3067
	CN813	(A,308,38) CONNECTOR	CKS3390
	CN815	(A,295,79) 23P PLUG	XKM3006
	CN816	(A,295,126) 21P PLUG	XKM3011
	810	(A,277,90) 11P CABLE HOLDER	51048-1100

RESISTORS

	R 601	(A,96,56)	RD1/4PU222J
	R 602	(A,230,52)	RD1/4PU222J
	R 603	(B,93,52)	RS1/16S103J
	R 604	(B,226,49)	RS1/16S103J
	R 609	(A,91,35)	RD1/4PU273J
	R 610	(A,225,35)	RD1/4PU273J
	R 611	(A,90,28)	RD1/4PU821J
	R 612	(A,223,28)	RD1/4PU821J
	R 613	(A,114,21)	RD1/4PU273J
	R 614	(A,247,21)	RD1/4PU273J

Mark	No.		Description	Part No.
	R	615	(A,123,36)	RD1/4PU331J
	R	616	(A,270,29)	RD1/4PU562J
⚠	R	617	(A,114,31) RESISTOR (0.22, 5W)	ACN7094
	R	618	(A,266,28)	RD1/4PU562J
	R	619	(A,122,52)	RD1/4PU182J
	R	620	(A,257,36)	RD1/4PU331J
	R	621	(A,124,49)	RD1/4PU821J
⚠	R	622	(A,248,31) RESISTOR (0.22, 5W)	ACN7094
	R	623	(A,116,48)	RD1/4PU223J
	R	624	(A,257,52)	RD1/4PU182J
	R	626	(A,258,49)	RD1/4PU821J
	R	628	(A,250,48)	RD1/4PU223J
	R	630	(A,230,21)	RD1/4PU333J
	R	631	(A,148,46)	RD1/4PU222J
	R	632	(B,152,47)	RS1/16S103J
	R	635	(A,153,29)	RD1/4PU273J
	R	636	(A,149,25)	RD1/4PU821J
	R	637	(A,172,21)	RD1/4PU273J
	R	638	(A,174,36)	RD1/4PU331J
⚠	R	639	(A,173,31) RESISTOR (0.22, 5W)	ACN7094
	R	640	(A,179,57)	RD1/4PU182J
	R	641	(A,174,52)	RD1/4PU821J
	R	642	(A,169,39)	RD1/4PU223J
	R	647	(A,202,27)	RD1/4PU562J
	R	648	(A,199,27)	RD1/4PU562J
	R	651	(A,164,56)	RD1/4PU222J
	R	652	(A,215,41)	RD1/4PU222J
	R	653	(B,160,50)	RS1/16S103J
	R	654	(B,219,46)	RS1/16S103J
	R	659	(A,159,35)	RD1/4PU273J
	R	660	(A,220,29)	RD1/4PU273J
	R	661	(A,156,28)	RD1/4PU821J
	R	662	(A,216,20)	RD1/4PU821J
	R	663	(A,181,21)	RD1/4PU273J
	R	664	(A,238,21)	RD1/4PU273J
	R	665	(A,190,36)	RD1/4PU331J
	R	666	(A,240,35)	RD1/4PU331J
⚠	R	667	(A,182,31) RESISTOR (0.22, 5W)	ACN7094
⚠	R	668	(A,239,31) RESISTOR (0.22, 5W)	ACN7094
	R	669	(A,189,52)	RD1/4PU182J
	R	670	(A,245,52)	RD1/4PU182J
	R	671	(A,192,49)	RD1/4PU821J
	R	672	(A,240,57)	RD1/4PU821J
	R	673	(A,184,48)	RD1/4PU223J
	R	674	(A,236,38)	RD1/4PU223J
	R	681	(A,66,63)	RD1/4PU222J
	R	682	(B,76,63)	RS1/16S103J
	R	685	(A,77,41)	RD1/4PU273J
	R	686	(A,78,35)	RD1/4PU821J
	R	687	(A,83,10)	RD1/4PU273J
	R	688	(A,135,27)	RD1/4PU562J
	R	689	(A,133,27)	RD1/4PU562J
	R	690	(A,60,52)	RD1/4PU331J
⚠	R	691	(A,55,55) RESISTOR (0.22, 5W)	ACN7094
	R	692	(A,70,72)	RD1/4PU182J
	R	693	(A,67,77)	RD1/4PU821J
	R	694	(A,62,72)	RD1/4PU223J
	R	695	(A,97,22)	RD1/4PU333J
	R	696	(B,281,38)	RS1/16S103J
	R	697	(B,255,68)	RS1/16S103J
	R	698	(B,243,67)	RS1/16S333J
	R	699	(A,165,21)	RD1/4PU333J
	R	701	(A,117,78)	RD1/4PU682J
	R	702	(A,101,84)	RD1/4PU682J
	R	703	(A,151,72)	RD1/4PU683J
	R	704	(A,147,76)	RD1/4PU683J
	R	705	(A,283,85)	RD1/4PU473J
	R	706	(A,283,75)	RD1/4PU473J
	R	707	(A,135,77)	RD1/4PU124J
	R	708	(A,147,81)	RD1/4PU124J
⚠	R	711	(A,181,86) METAL OXIDE RESISTOR	RS2LMF222J
	R	713	(A,117,81)	RD1/4PU102J
	R	714	(B,252,68)	RS1/16S102J
	R	715	(B,250,75)	RS1/16S103J
	R	716	(B,247,75)	RS1/16S103J
	R	721	(A,125,77)	RD1/4PU822J
	R	722	(A,123,77)	RD1/4PU822J
	R	723	(A,276,78)	RD1/4PU473J
	R	724	(A,279,83)	RD1/4PU473J
	R	725	(A,276,74)	RD1/4PU103J
	R	726	(B,291,59)	RS1/16S103J
	R	727	(B,287,59)	RS1/16S103J
⚠	R	751	(A,158,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	752	(A,185,120) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	753	(A,156,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	754	(A,181,126) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	755	(A,103,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	756	(A,101,120) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	761	(A,125,117) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	762	(A,155,119) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	763	(A,124,132) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	764	(A,149,139) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	771	(A,63,144) METAL OXIDE RESISTOR	RS1LMF4R7J
⚠	R	772	(A,63,127) CARBON FILM RESISTOR	RD1/4PUF101J
	R	777	(A,81,41)	RD1/4PU222J
	R	778	(B,84,48)	RS1/16S103J
	R	781	(A,87,30)	RD1/4PU273J
	R	782	(A,84,22)	RD1/4PU821J
	R	783	(A,104,21)	RD1/4PU273J
	R	784	(A,111,35)	RD1/4PU331J
⚠	R	785	(A,105,31) RESISTOR (0.22, 5W)	ACN7094
	R	786	(A,111,57)	RD1/4PU182J
	R	787	(A,106,57)	RD1/4PU821J
	R	788	(A,102,38)	RD1/4PU223J
	R	789	(A,82,127) CARBON FILM RESISTOR	RD1/4PUF101J
⚠	R	790	(A,80,145) METAL OXIDE RESISTOR	RS1LMF4R7J
	R	806	(B,283,48)	RS1/16S103J
	R	807	(B,278,48)	RS1/16S103J
	R	808	(B,283,52)	RS1/16S102J
	R	809	(B,261,105)	RS1/16S122J
	R	810	(B,264,105)	RS1/16S271J
	R	885	(B,310,57)	RS1/16S221J
	R	886	(B,310,61)	RS1/16S221J
	R	887	(B,310,65)	RS1/16S221J
	R	888	(B,315,22)	RS1/16S221J
	R	1101	(B,273,68)	RS1/16S0R0J
	R	1102	(B,274,61)	RS1/16S0R0J
	R	1106	(B,146,53)	RS1/16S0R0J
	R	1107	(B,211,58)	RS1/16S0R0J
	R	1108	(B,233,58)	RS1/16S0R0J

Mark	No.	Description	Part No.
	R 1109	(B,285,56)	RS1/16S0R0J
	R 1110	(B,241,68)	RS1/16S0R0J

CAPACITORS

	C 517	(A,82,154) FILM CAPACITOR	CQMBA224J50
	C 521	(A,120,164) FILM CAPACITOR	CQMBA123J50
	C 603	(B,94,39)	CKSRYB331K50
	C 604	(B,227,38)	CKSRYB331K50
	C 605	(A,96,38)	CEAT4R7M50
	C 606	(A,230,38)	CEAT4R7M50
	C 607	(B,95,20)	CCSRCH470J50
	C 608	(B,230,17)	CCSRCH470J50
	C 609	(A,91,32)	CEAT101M16
	C 610	(A,225,32)	CEAT101M16
	C 611	(B,117,22)	CCSRCH470J50
	C 612	(B,250,24)	CCSRCH470J50
	C 613	(B,117,27)	CCSRCH470J50
	C 614	(B,250,28)	CCSRCH470J50
	C 615	(A,116,45)	CEANP2R2M50
	C 616	(A,250,45)	CEANP2R2M50
	C 630	(A,172,44)	CEANP2R2M50
	C 632	(B,151,33)	CKSRYB331K50
	C 633	(A,148,33)	CEAT4R7M50
	C 634	(B,155,17)	CCSRCH470J50
	C 635	(A,153,25)	CEAT101M16
	C 636	(B,175,28)	CCSRCH470J50
	C 637	(B,175,24)	CCSRCH470J50
	C 653	(B,161,38)	CKSRYB331K50
	C 654	(B,217,33)	CKSRYB331K50
	C 655	(A,164,38)	CEAT4R7M50
	C 656	(A,215,33)	CEAT4R7M50
	C 657	(B,165,17)	CCSRCH470J50
	C 658	(B,221,17)	CCSRCH470J50
	C 659	(A,158,31)	CEAT101M16
	C 660	(A,219,25)	CEAT101M16
	C 661	(B,184,23)	CCSRCH470J50
	C 662	(B,241,27)	CCSRCH470J50
	C 663	(B,184,27)	CCSRCH470J50
	C 664	(B,241,24)	CCSRCH470J50
	C 665	(A,184,45)	CEANP2R2M50
	C 666	(A,239,49)	CEANP2R2M50
	C 682	(B,74,48)	CKSRYB331K50
	C 683	(A,74,50)	CEAT4R7M50
	C 684	(B,82,18)	CCSRCH470J50
	C 685	(A,78,38)	CEAT101M16
	C 686	(B,92,9)	CCSRCH470J50
	C 687	(B,87,8)	CCSRCH470J50
	C 688	(A,75,78)	CEANP2R2M50
	C 696	(B,281,35)	CKSRYB102K50
	C 697	(A,286,34)	CEAT221M6R3
	C 701	(A,49,80) ELECT.CAPACITOR	XCH3026
	C 702	(A,49,107) ELECT.CAPACITOR	XCH3026
	C 703	(A,43,130) ELECT.CAPACITOR	XCH3012
	C 704	(A,38,150) ELECT.CAPACITOR	XCH3012
	C 705	(A,156,81) ELECT. CAPACITOR	CEAT100M2A
	C 706	(A,143,84) ELECT. CAPACITOR	CEAT100M2A
	C 707	(A,17,99) MYLAR FILM CAPACITOR	CQMA103K2E
	C 708	(A,16,137) MYLAR FILM CAPACITOR	CQMA103K2E
	C 709	(A,257,73)	CEAT1R0M50

Mark	No.	Description	Part No.
	C 711	(A,195,99) ELECT. CAPACITOR	CEAT101M35
	C 712	(A,189,105)	CEAT101M10
	C 751	(A,159,143) FILM CAPACITOR	CQMBA224J50
	C 752	(A,181,150) FILM CAPACITOR	CQMBA224J50
	C 753	(A,157,155) FILM CAPACITOR	CQMBA224J50
	C 754	(A,181,158) FILM CAPACITOR	CQMBA224J50
	C 755	(A,103,147) FILM CAPACITOR	CQMBA224J50
	C 756	(A,96,151) FILM CAPACITOR	CQMBA224J50
	C 757	(A,157,164) FILM CAPACITOR	CQMBA123J50
	C 758	(A,177,164) FILM CAPACITOR	CQMBA123J50
	C 759	(A,101,164) FILM CAPACITOR	CQMBA123J50
	C 761	(A,122,139) FILM CAPACITOR	CQMBA224J50
	C 762	(A,152,145) FILM CAPACITOR	CQMBA224J50
	C 763	(A,122,146) FILM CAPACITOR	CQMBA224J50
	C 764	(A,150,152) FILM CAPACITOR	CQMBA224J50
	C 765	(A,63,164) FILM CAPACITOR	CQMBA123J50
	C 766	(A,82,164) FILM CAPACITOR	CQMBA123J50
	C 771	(A,52,147) FILM CAPACITOR	CQMBA224J50
	C 772	(A,52,156) FILM CAPACITOR	CQMBA224J50
	C 773	(A,138,164) FILM CAPACITOR	CQMBA123J50
	C 778	(B,84,34)	CKSRYB331K50
	C 779	(A,81,33)	CEAT4R7M50
	C 780	(B,88,18)	CCSRCH470J50
	C 781	(A,87,27)	CEAT101M16
	C 782	(B,107,27)	CCSRCH470J50
	C 783	(B,107,24)	CCSRCH470J50
	C 784	(A,105,49)	CEANP2R2M50
	C 785	(A,89,146) FILM CAPACITOR	CQMBA224J50
	C 801	(A,248,114) ELECT. CAPACITOR	CEAT222M25
	C 802	(A,249,100) ELECT. CAPACITOR	CEAT222M25
	C 806	(A,288,55)	CEAT1R0M50
	C 807	(B,226,95)	CKSRYB103K25
	C 808	(A,245,142) ELECT. CAPACITOR	CEAT472M16
	C 809	(A,234,95)	CEAT101M10
	C 810	(A,266,133)	CEAT101M10
	C 811	(B,279,128)	CKSRYB103K25
	C 812	(B,278,109)	CKSRYB103K25
	C 813	(A,276,118)	CEAT101M16

D TRANS2 ASSY

MISCELLANEOUS

⚠	IC 853	(A,32,204) PROTECTOR(5A)	AEK7019
	J 21	JUMPER WIRE 11P	D20PYY1130E
	CN1201	(A,35,183) 4P JUMPER CONNECTOR	52147-0410
	851	(A,49,207) 11P CABLE HOLDER	51048-1100

E TRANS3 ASSY

TRANS3 ASSY has no service part.

F COMPONENT ASSY

MISCELLANEOUS

IC 551	(B,235,206) LOGIC IC	TC74HC4052AF
IC 552	(B,256,212) LOGIC IC	TC74HC4052AF
IC 553	(B,209,204) VIDEO IC	NJM2581M
JA551	(A,249,176) 6P RCA PINJACK	XKB3025
JA552	(A,207,176) 6P RCA PINJACK	XKB3025
CN551	(A,192,206) CONNECTOR	CKS3372

Mark	No.	Description	Part No.
RESISTORS			
	R 553	(B,237,192)	RS1/16S750J
	R 554	(B,251,191)	RS1/16S750J
	R 555	(B,265,191)	RS1/16S750J
	R 556	(B,232,192)	RS1/16S750J
	R 557	(B,246,194)	RS1/16S750J
	R 558	(B,262,184)	RS1/16S750J
	R 559	(B,195,194)	RS1/16S750J
	R 560	(B,216,193)	RS1/16S750J
	R 561	(B,223,191)	RS1/16S750J
	R 562	(B,189,193)	RS1/16S750J
	R 563	(B,212,197)	RS1/16S750J
	R 564	(B,214,193)	RS1/16S750J
	R 566	(B,238,216)	RS1/16S102J
	R 567	(B,243,200)	RS1/16S102J
	R 568	(B,243,202)	RS1/16S102J
	R 569	(B,246,216)	RS1/16S102J
	R 571	(B,250,226)	RS1/16S102J
	R 572	(B,250,224)	RS1/16S102J
	R 573	(B,224,201)	RS1/16S0R0J
	R 574	(B,260,200)	RS1/16S0R0J
	R 575	(B,244,234)	RS1/16S0R0J
	R 577	(B,202,212)	RS1/16S103J
	R 578	(B,204,212)	RS1/16S103J
	R 579	(B,213,212)	RS1/16S103J
	R 581	(B,242,207)	RS1/16S222J
	R 582	(A,240,219)	RD1/4PU222J
CAPACITORS			
	C 567	(B,257,184)	CKSRYB103K50
	C 568	(B,200,184)	CKSRYB103K50
	C 569	(B,241,214)	CKSRYB473K50
	C 570	(B,229,206)	CKSRYB473K50
	C 571	(B,249,211)	CKSRYB473K50
	C 572	(B,263,212)	CKSRYB473K50
	C 576	(B,206,212)	CKSRYB103K50
	C 577	(B,209,212)	CKSRYB103K50
	C 578	(B,211,212)	CKSRYB103K50
	C 579	(A,200,203)	CEAT101M16
	C 580	(A,195,203)	CEAT101M16
	C 581	(B,206,197)	CKSRYB103K50
	C 582	(B,208,197)	CKSRYB103K50
	C 583	(B,210,197)	CKSRYB103K50

G HEAD PHONE ASSY

Mark	No.	Description	Part No.
MISCELLANEOUS			
	Q 1551	(B,78,211) CHIP TRANSISTOR	2SD2704K
	Q 1552	(B,102,219) CHIP TRANSISTOR	2SD2704K
	J 47	JUMPER WIRE	D20PYY0640E
	JA 1551	(A,117,233) HEADPHONE JACK	RKB1014
	KN 1551	(A,69,231) WRAPPING TERMINAL	VNF1084
	1551	(A,59,220) 6P CABLE HOLDER	51048-0600
RESISTORS			
⚠	R 1551	(A,84,202) METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 1552	(A,78,203) METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 1553	(A,108,221) METAL OXIDE RESISTOR	RS1LMF151J
⚠	R 1554	(A,93,216) METAL OXIDE RESISTOR	RS1LMF151J
	R 1555	(B,100,216)	RS1/16S472J
	R 1556	(B,81,210)	RS1/16S472J
	R 1557	(B,87,228)	RS1/16S102J
CAPACITORS			
	C 1551	(B,94,226)	CKSRYB223K50
	C 1552	(B,83,210)	CKSRYB223K50
	C 1553	(B,110,224)	CKSRYB103K50
	C 1554	(B,110,226)	CCSRCH471J50
	C 1555	(B,110,229)	CKSRYB104K16
	C 1556	(B,112,239)	CKSRYB103K50
	C 1557	(B,109,239)	CCSRCH471J50
	C 1558	(B,107,239)	CKSRYB104K16
	C 1561	(A,69,205) ELECT. CAPACITOR	CEANP470M50
	C 1562	(A,71,223) ELECT. CAPACITOR	CEANP470M50

H PRE-OUT ASSY

Mark	No.	Description	Part No.
MISCELLANEOUS			
	CN 1575	(A,282,211) CONNECTOR	CKS3373
	CN 1576	(A,318,176) PIN JACK 1-P	AKB7042
	1575	(A,290,176) PIN JACK(6P)	XKB3033
RESISTORS			
	R 1575	(B,301,198)	RS1/16S223J
	R 1576	(B,302,194)	RS1/16S202J
	R 1577	(B,293,194)	RS1/16S202J
	R 1578	(B,286,194)	RS1/16S202J
	R 1579	(B,294,198)	RS1/16S223J
	R 1580	(B,287,197)	RS1/16S223J
	R 1581	(B,308,198)	RS1/16S223J
	R 1582	(B,316,194)	RS1/16S202J
	R 1583	(B,279,194)	RS1/16S202J
	R 1584	(B,275,194)	RS1/16S202J
	R 1585	(B,281,198)	RS1/16S223J
	R 1586	(B,274,198)	RS1/16S223J
	R 1587	(B,307,194)	RS1/16S202J
	R 1588	(B,317,197)	RS1/16S223J
CAPACITORS			
	C 1581	(B,283,184)	CKSRYB103K50

I 5.1CH INPUT ASSY

Mark	No.	Description	Part No.
MISCELLANEOUS			
	CN307	(A,125,219) 7P CONNECTOR	52044-0745
	CN309	(A,167,225) PIN JACK(4P)	XKB3035
RESISTORS			
	R 1001	(B,147,233)	RS1/16S473J
	R 1002	(B,150,226)	RS1/16S473J
	R 1003	(B,149,236)	RS1/16S331J
	R 1004	(B,150,228)	RS1/16S331J
	R 1009	(B,150,224)	RS1/16S473J
	R 1010	(B,151,212)	RS1/16S473J
	R 1011	(B,150,222)	RS1/16S331J
	R 1012	(B,150,214)	RS1/16S331J
CAPACITORS			
	C 1001	(B,151,233)	CCSRCH101J50
	C 1002	(B,151,230)	CCSRCH101J50
	C 1003	(B,143,233)	CKSRYB221K50
	C 1004	(B,147,230)	CKSRYB221K50
	C 1009	(A,146,236)	CEAT4R7M50

Mark	No.	Description	Part No.
	C 1010	(A,146,228)	CEAT4R7M50
	C 1012	(B,159,226)	CKSRYB103K50
	C 1013	(B,151,219)	CCSRCH101J50
A	C 1014	(B,151,216)	CCSRCH101J50
	C 1015	(B,147,224)	CKSRYB221K50
	C 1016	(B,147,216)	CKSRYB221K50
	C 1021	(A,146,214)	CEAT4R7M50
	C 1022	(A,146,221)	CEAT4R7M50

K FRONT DISPLAY

MISCELLANEOUS

	IC 401	(B,121,181) DISPLAY U-COM	PE5550A
	IC 402	(A,223,169) REMOTE RECEIVER UNIT	GP1UM27XK0VF
B	Q 441	(B,230,161) TRANSISTOR	RT1N241M
	Q 442	(B,238,190) TRANSISTOR	RT1N241M
	Q 484	(B,217,189) TRANSISTOR	2SA1576A
	D 401	(B,239,163) DIODE	DAN202K
	D 403	(B,226,189) DIODE	1SS355
	D 404	(B,230,176) DIODE	1SS355
	D 405	(B,230,156) DIODE	1SS355
	D 500	(A,210,182) LED(ORANGE)	SLI-343DCW
	D 502	(A,130,160) LED(BLUE)	SLR-343BBT
	L 401	(A,242,159) RADIAL INDUCTOR	LFCA2R2J
	V 401	(A,189,200) FL TUBE	XAV3025
C	S 451	(A,234,139) SWITCH	VSG1024
	S 452	(A,213,136) SWITCH	VSG1024
	S 453	(A,187,134) SWITCH	VSG1024
	S 454	(A,70,134) SWITCH	VSG1024
	S 455	(A,46,134) SWITCH	VSG1024
	S 456	(A,23,134) SWITCH	VSG1024
	S 458	(A,13,112) SWITCH	VSG1024
	S 459	(A,114,136) SWITCH	VSG1024
	S 460	(A,91,136) SWITCH	VSG1024
	S 461	(A,57,112) SWITCH	VSG1024
	S 462	(A,42,112) SWITCH	VSG1024
D	S 463	(A,27,112) SWITCH	VSG1024
	S 464	(A,164,134) SWITCH	VSG1024
	S 465	(A,140,134) SWITCH	VSG1024
	S 466	(A,86,90) SWITCH	VSG1024
	S 467	(A,72,90) SWITCH	VSG1024
	S 468	(A,57,90) SWITCH	VSG1024
	S 469	(A,42,90) SWITCH	VSG1024
	S 470	(A,27,90) SWITCH	VSG1024
	S 471	(A,13,90) SWITCH	VSG1024
	X 401	(A,149,165) CERAMIC RESONATOR (5.00 MHz)	VSS1142
E	CN401	(A,246,165) 17P CONNECTOR	52044-1745
	471	(A,35,176) CABLE HOLDER(3P)	51063-0305
	404	(A,197,127) CABLE HOLDER(7P)	51063-0705
	402	FL HOLDER(FE)	VNF1096

RESISTORS

	R 401	(B,144,169)	RS1/16S105J
	R 402	(B,223,189)	RS1/16S104J
	R 403	(B,220,189)	RS1/16S104J
	R 404	(B,221,178)	RS1/16S472J
	R 405	(B,228,155)	RS1/16S102J
F	R 406	(B,226,155)	RS1/16S103J
	R 407	(B,78,176)	RS1/16S473J
	R 408	(B,80,176)	RS1/16S473J
	R 409	(B,75,176)	RS1/16S473J
	R 410	(B,73,176)	RS1/16S473J
	R 411	(B,229,189)	RS1/16S473J
	R 412	(B,234,187)	RS1/16S221J
	R 413	(B,234,184)	RS1/16S221J
	R 414	(B,234,182)	RS1/16S221J
	R 415	(B,234,180)	RS1/16S221J
	R 416	(B,234,178)	RS1/16S221J
	R 417	(B,219,182)	RS1/16S101J
	R 422	(B,157,169)	RS1/16S104J
	R 423	(B,131,167)	RS1/16S104J
	R 424	(B,83,176)	RS1/16S104J
	R 425	(B,213,182)	RS1/16S104J
	R 451	(B,236,144)	RS1/16S472J
	R 452	(B,234,144)	RS1/16S681J
	R 453	(B,187,147)	RS1/16S821J
	R 454	(B,166,153)	RS1/16S122J
	R 455	(A,45,146)	RD1/4PU681J
	R 456	(A,35,144)	RD1/4PU821J
	R 457	(A,16,139)	RD1/4PU122J
	R 459	(A,109,134)	RD1/4PU472J
	R 460	(A,101,135)	RD1/4PU681J
	R 461	(B,52,117)	RS1/16S821J
	R 462	(B,49,117)	RS1/16S122J
	R 463	(B,34,117)	RS1/16S162J
	R 464	(B,20,117)	RS1/16S272J
	R 465	(A,161,128)	RD1/4PU472J
	R 466	(A,151,128)	RD1/4PU681J
	R 467	(A,131,128)	RD1/4PU821J
	R 468	(B,79,91)	RS1/16S122J
	R 469	(B,64,91)	RS1/16S162J
	R 470	(B,50,92)	RS1/16S272J
	R 471	(B,34,91)	RS1/16S512J
	R 472	(B,86,176)	RS1/16S472J
	R 473	(B,19,91)	RS1/16S133J
	R 481	(B,169,204)	RS1/16S473J
	R 482	(B,167,204)	RS1/16S473J
	R 483	(B,165,204)	RS1/16S473J
	R 484	(B,163,204)	RS1/16S473J
	R 485	(B,161,204)	RS1/16S473J
	R 486	(B,159,204)	RS1/16S473J
	R 487	(B,157,204)	RS1/16S473J
	R 488	(B,155,204)	RS1/16S473J
	R 489	(B,153,204)	RS1/16S473J
	R 490	(B,151,204)	RS1/16S473J
	R 492	(B,121,204)	RS1/16S104J
	R 493	(B,119,204)	RS1/16S104J
	R 494	(B,117,204)	RS1/16S104J
	R 495	(B,115,204)	RS1/16S104J
	R 496	(B,113,204)	RS1/16S104J
	R 497	(B,111,204)	RS1/16S104J
	R 498	(B,109,204)	RS1/16S104J
	R 499	(B,107,204)	RS1/16S104J
	R 500	(B,105,204)	RS1/16S104J
	R 517	(B,149,204)	RS1/16S473J
	R 518	(B,147,204)	RS1/16S473J
	R 519	(B,145,204)	RS1/16S473J
	R 520	(B,103,204)	RS1/16S104J
	R 521	(B,101,204)	RS1/16S104J
	R 522	(B,99,204)	RS1/16S104J

Mark	No.	Description	Part No.
R	523	(B,97,204)	RS1/16S104J
R	524	(B,95,204)	RS1/16S104J
R	525	(B,93,204)	RS1/16S104J
R	526	(B,91,204)	RS1/16S104J
R	527	(B,89,204)	RS1/16S104J
R	528	(B,87,204)	RS1/16S104J
R	529	(B,85,204)	RS1/16S104J
R	530	(B,83,204)	RS1/16S104J
R	531	(B,81,204)	RS1/16S104J
R	532	(B,79,204)	RS1/16S104J
R	533	(B,77,204)	RS1/16S104J
R	534	(B,75,204)	RS1/16S104J
R	550	(B,204,185)	RS1/16S181J
R	551	(B,125,156)	RS1/16S391J

CAPACITORS

C	401	(B,247,155)	CKSRYB103K50
C	402	(B,247,153)	CKSRYB103K50
C	403	(A,234,168)	CEAT221M6R3
C	410	(B,49,186)	CKSRYB103K50
C	411	(B,51,186)	CKSRYB103K50
C	412	(A,42,178)	CEAT470M50
C	418	(B,141,179)	CKSRYB104K16
C	419	(B,103,182)	CKSRYB103K50
C	420	(A,39,185) ELECT. CAPACITOR	CEAT101M35
C	421	(B,160,169)	CKSRYB104K16
C	441	(B,223,176)	CKSRYB103K50
C	442	(A,239,146)	CEAL470M10
C	451	(B,125,166)	CKSRYB102K50
C	452	(B,103,164)	CKSRYB102K50
C	453	(B,122,166)	CKSRYB102K50
C	454	(B,100,164)	CKSRYB102K50
C	481	(B,140,191)	CCSRCH471J50
C	482	(B,126,201)	CCSRCH221J50
C	483	(B,126,199)	CCSRCH221J50
C	487	(B,83,163)	CKSRYB102K50
C	488	(B,79,163)	CKSRYB102K50
C	489	(B,75,163)	CKSRYB102K50
C	490	(A,241,34)	CKSRYB102K50

L R.ENCODER ASSY

MISCELLANEOUS

S	457	(A,300,183) SWITCH	VSG1024
S	512	(A,288,223) ROTARY ENCODER (JOG)	XSX3008
S	513	(A,288,152) ROTARY ENCODER	XSX3005
S	514	(A,257,216) SWITCH	VSG1024
S	515	(A,270,183) SWITCH	VSG1024
S	516	(A,285,183) SWITCH	VSG1024
	511	(A,257,172) CABLE HOLDER(7P)	51063-0705

RESISTORS

R	513	(B,270,190)	RS1/16S162J
R	514	(B,280,185)	RS1/16S272J
R	515	(B,295,185)	RS1/16S512J

M POWER KEY ASSY

MISCELLANEOUS

D	501	(A,13,182) LED(BLUE)	SLR-343BBT
S	501	(A,12,174) SWITCH	VSG1024
S	502	(A,20,221) SWITCH	VSG1024
S	503	(A,32,218) SWITCH	VSG1024
S	504	(A,47,218) SWITCH	VSG1024
	501	(A,47,210) CABLE HOLDER(3P)	51063-0305

RESISTORS

R	501	(B,12,189)	RS1/16S391J
R	502	(B,7,171)	RS1/16S162J
R	503	(A,15,228)	RD1/4PU272J
R	504	(A,30,228)	RD1/4PU512J

N S. VIDEO ASSY

MISCELLANEOUS

IC	351	(B,149,59) VIDEO SW IC	NJM2595M
IC	352	(B,149,21) VIDEO SW IC	NJM2595M
IC	1101	(B,194,37) VIDEO AMP IC	TK15420M
IC	1102	(B,186,72) VIDEO SW IC	NJM2243M
IC	1103	(B,211,72) VIDEO SW IC	NJM2243M
D	351	(B,170,34) DIODE	1SS355
D	352	(B,167,34) DIODE	1SS355
D	353	(B,164,65) DIODE	1SS355
D	354	(B,166,65) DIODE	1SS355
D	357	(B,154,39) DIODE	1SS355
D	358	(B,142,67) DIODE	1SS355
D	361	(B,184,78) DIODE	1SS355
D	362	(B,207,76) DIODE	1SS355
CN	351	(A,220,42) 11PJUMPER CONNECTOR	52147-1110
CN	352	(A,111,57) SOCKET	XKB3051
CN	353	(A,111,29) SOCKET	XKB3051
CN	354	(A,177,33) CONNECTOR POST	B5B-PH
CN	355	(A,111,78) SOCKET	AKP7179

RESISTORS

R	351	(B,125,12)	RS1/16S750J
R	352	(B,129,13)	RS1/16S750J
R	353	(B,125,31)	RS1/16S750J
R	354	(B,129,27)	RS1/16S750J
R	355	(B,125,42)	RS1/16S750J
R	356	(B,128,45)	RS1/16S750J
R	357	(B,161,54)	RS1/16S102J
R	358	(B,167,61)	RS1/16S102J
R	359	(B,165,61)	RS1/16S151J
R	360	(B,172,61)	RS1/16S102J
R	361	(B,164,69)	RS1/16S102J
R	362	(B,170,61)	RS1/16S102J
R	363	(B,169,29)	RS1/16S102J
R	364	(B,166,29)	RS1/16S102J
R	365	(B,162,29)	RS1/16S102J
R	366	(B,164,29)	RS1/16S151J
R	367	(B,171,29)	RS1/16S102J
R	368	(B,162,36)	RS1/16S102J
R	369	(B,160,36)	RS1/16S750J
R	370	(B,150,71)	RS1/16S750J
R	371	(B,145,29)	RS1/16S750J
R	372	(B,145,69)	RS1/16S750J
R	375	(B,133,12)	RS1/16S101J
R	376	(B,129,17)	RS1/16S101J
R	377	(B,132,23)	RS1/16S101J
R	378	(B,130,30)	RS1/16S101J
R	379	(B,135,39)	RS1/16S101J

Mark	No.		Description	Part No.
	R	380	(B,128,49)	RS1/16S101J
	R	381	(B,129,56)	RS1/16S0R0J
	R	382	(B,131,62)	RS1/16S0R0J
	R	385	(B,165,35)	RS1/16S0R0J
	R	386	(B,162,61)	RS1/16S0R0J
	R	1103	(B,182,44)	RS1/16S103J
	R	1104	(B,194,30)	RS1/16S103J
	R	1105	(B,188,33)	RS1/16S0R0J
	R	1106	(B,188,39)	RS1/16S0R0J
	R	1109	(B,188,45)	RS1/16S0R0J
	R	1111	(B,178,77)	RS1/16S750J
	R	1112	(B,140,78)	RS1/16S750J
	R	1113	(B,132,82)	RS1/16S103J
	R	1114	(B,134,78)	RS1/16S103J
	R	1122	(B,200,69)	RS1/16S102J
	R	1123	(B,203,69)	RS1/16S102J
	R	1124	(B,180,67)	RS1/16S0R0J
	R	1125	(B,180,69)	RS1/16S0R0J

CAPACITORS

	C	351	(B,160,22)	CKSRYB104K25
	C	352	(A,123,7)	CEAT470M25
	C	353	(B,127,20)	CKSRYB104K25
	C	354	(B,144,11)	CKSRYB104K25
	C	355	(A,132,20)	CEAT470M25
	C	356	(B,126,38)	CKSRYB104K25
	C	357	(B,157,65)	CKSRYB104K25
	C	358	(A,131,35)	CEAT470M25
	C	359	(B,126,54)	CKSRYB104K25
	C	361	(A,141,10) ELECT. CAPACITOR	CEAT470M25
	C	362	(A,157,26)	CEAT470M25
	C	363	(A,157,68)	CEAT470M25
	C	366	(A,145,46)	CEAT470M25
	C	367	(B,142,52)	CKSRYB104K25
	C	368	(B,126,58)	CKSRYB221K50
	C	369	(B,129,62)	CKSRYB221K50
	C	370	(B,157,36)	CKSRYB221K50
	C	371	(B,158,72)	CKSRYB221K50
	C	372	(B,121,57)	CKSRYB103K50
	C	373	(B,120,29)	CKSRYB103K50
	C	375	(B,167,17)	CCSRCH470J50
	C	376	(B,163,54)	CCSRCH470J50
	C	381	(B,137,11)	CCSRCH470J50
	C	382	(B,132,16)	CCSRCH470J50
	C	383	(B,134,19)	CCSRCH470J50
	C	384	(B,135,28)	CCSRCH470J50
	C	385	(B,135,37)	CCSRCH470J50
	C	386	(B,132,44)	CCSRCH470J50
	C	1101	(B,197,37)	CKSRYB473K25
	C	1102	(B,199,41)	CKSRYB473K25
	C	1103	(A,202,30)	CEAT101M16
	C	1104	(A,203,42)	CEAT101M16
	C	1107	(A,193,47)	CEAT101M16
	C	1109	(B,195,76)	CKSRYB473K25
	C	1110	(B,220,76)	CKSRYB473K25
	C	1111	(A,192,73)	CEAT101M16
	C	1112	(A,217,79)	CEAT101M16
	C	1113	(B,181,78)	CKSRYB104K25
	C	1114	(B,210,79)	CKSRYB104K25
	C	1115	(A,179,74) ELECTR.CAPACITOR	CEAT102M10
	C	1116	(B,137,78)	CKSRYB104K25
	C	1117	(B,134,82)	CCSRCH181J50
	C	1118	(B,137,82)	CCSRCH181J50
	C	1130	(B,212,51)	CKSRYB104K25
	C	1131	(A,176,18)	CEAT101M16
	C	1132	(B,217,68)	CKSRYB104K25

O TRANS4 ASSY

MISCELLANEOUS

⚠	IC	891	(A,104,223) PROTECTOR(800MA)	AEK7008
⚠	IC	892	(A,77,232) PROTECTOR(800MA)	AEK7008
⚠	D	891	(B,91,226) BRIDGE DIODE	S1WB(A)60SD
	J	22	JUMPER WIRE	D20PYY0330E
		891	(A,70,221) 3P CABLE HOLDER	51048-0300

CAPACITORS

	C	891	(A,97,218) ELECT. CAPACITOR	CEAT471M35
	C	892	(A,86,218) ELECT. CAPACITOR	CEAT471M35

P REGULATOR ASSY

MISCELLANEOUS

⚠	IC	801	(A,161,89) REGULATOR IC	TA7812S
⚠	IC	802	(A,178,89) REGULATOR IC	TA79012S
⚠	IC	807	(A,212,89) IC	TA7805S
	D	813	(A,201,94) ZENER DIODE	MTZJ6.2B
	CN800		(A,194,113) 11PJUMPER CONNECTOR	52147-1110

RESISTORS

⚠	R	801	(A,152,97) METAL OXIDE RESISTOR	RS3LMF331J
⚠	R	802	(A,212,98) METAL OXIDE RESISTOR	RS2LMF221J
	R	819	(B,209,97)	RS1/16S0R0J

CAPACITORS

	C	803	(B,164,98)	CKSRYB103K25
	C	804	(B,180,98)	CKSRYB103K25
	C	805	(A,152,103)	CEJQ101M16
	C	806	(A,173,100)	CEAT101M16
	C	816	(A,206,96)	CEAT101M10
	C	817	(B,216,98)	CKSRYB103K25

Q VIDEO

MISCELLANEOUS

	IC	301	(B,46,32) VIDEO SW IC	NJM2595M
	IC	303	(B,37,73) VIDEO SW IC	NJM2243M
	IC	851	(B,100,70) CHARACTER GENERATOR	PDC131A
⚠	Q	301	(A,86,47) TRANSISTOR	2SC3377
⚠	Q	302	(A,66,52) TRANSISTOR	2SA1515
	Q	303	(B,25,83) TRANSISTOR	2SC5938A
	Q	852	(B,73,79) TRANSISTOR	2SC4081
	D	301	(B,45,41) DIODE	1SS355
	D	302	(B,41,46) DIODE	1SS355
	D	303	(B,81,61) DIODE	UDZS6R2(B)
	D	304	(B,73,59) DIODE	UDZS6R2(B)
	D	305	(B,69,20) DIODE	1SS355
	D	306	(B,61,23) DIODE	1SS355
	D	307	(B,96,7) DIODE	UDZS5R1(B)
	D	359	(B,93,53) DIODE	1SS355
	D	360	(B,96,48) DIODE	1SS355
	D	651	(B,84,75) DIODE	DAP202K

Mark	No.		Description	Part No.
	L	301	(B,33,11) CHIP SOLID INDUCTOR	QTL1013
	L	302	(B,34,6) CHIP SOLID INDUCTOR	QTL1013
	L	303	(B,26,13) CHIP SOLID INDUCTOR	QTL1013
	L	304	(B,26,15) CHIP SOLID INDUCTOR	QTL1013
	L	305	(B,21,23) CHIP SOLID INDUCTOR	QTL1013
	L	306	(B,58,12) CHIP SOLID INDUCTOR	QTL1013
	L	851	(B,81,74) INDUCTOR	LCYA100J2520
	L	852	(B,89,75) INDUCTOR	LCYA100J2520
	L	853	(B,100,62) CHIP COIL	LCYA330J2520
	J	44	JUMPER WIRE 11P	D20PYY1110E
	JA	305	(A,14,44) PIN JACK(4P)YELLOW	AKB7100
	JA	351	(A,15,20) MINI JACK(4P) /W SW	XKN3015
	JA	352	(A,18,9) CONNECTOR	CKS4124
	X	851	(A,102,58) CRYSTAL RESONATOR (14.31818 MHz)	ASS1056
	CN	302	(A,64,84) 6P SOCKET	KP200TA6L
	CN	303	(A,62,7) CONNECTOR	CKS3384
	CN	306	(A,14,65) 2P PIN JACK	XKB3041
	CN	310	(A,46,7) CONNECTOR	CKS3372
		390	(A,100,7) PCB BINDER	VEF1040
		301	(A,106,12) 11P CABLE HOLDER	51048-1100

RESISTORS

	R	301	(B,34,25)	RS1/16S750J
	R	302	(B,31,60)	RS1/16S750J
	R	303	(B,23,36)	RS1/16S750J
	R	304	(B,49,22)	RS1/16S750J
	R	305	(B,23,50)	RS1/16S750J
	R	306	(B,32,54)	RS1/16S750J
	R	307	(B,56,25)	RS1/16S102J
	R	308	(B,57,29)	RS1/16S102J
	R	309	(B,57,27)	RS1/16S151J
	R	310	(B,57,31)	RS1/16S102J
	R	311	(B,42,23)	RS1/16S102J
	R	312	(B,60,25)	RS1/16S102J
⚠	R	313	(A,85,57) METAL OXIDE RESISTOR	RS3LMF390J
	R	314	(B,84,61)	RS1/16S152J
	R	315	(B,64,59)	RS1/16S152J
⚠	R	316	(A,67,39) METAL OXIDE RESISTOR	RS3LMF390J
	R	317	(B,21,75)	RS1/16S102J
	R	318	(B,27,79)	RS1/16S122J
	R	319	(B,27,77)	RS1/16S472J
	R	320	(B,100,16)	RS1/16S0R0J
	R	390	(B,24,77)	RS1/16S102J
	R	391	(B,20,38)	RS1/16S0R0J
	R	392	(B,30,55)	RS1/16S0R0J
	R	393	(B,62,14)	RS1/16S472J
	R	852	(B,101,50)	RS1/16S471J
	R	853	(B,94,47)	RS1/16S103J
	R	854	(B,93,61)	RS1/16S103J
	R	855	(B,107,82)	RS1/16S102J
	R	856	(B,80,79)	RS1/16S221J
	R	857	(B,75,79)	RS1/16S103J
	R	858	(B,70,79)	RS1/16S222J
	R	892	(B,103,50)	RS1/16S0R0J

CAPACITORS

	C	302	(B,22,44)	CKSRYB103K50
	C	304	(B,33,19)	CKSRYB221K50
	C	305	(B,41,19)	CKSRYB221K50
	C	306	(B,22,54)	CKSRYB221K50
	C	307	(A,31,35)	CEAT470M25
	C	308	(A,52,53)	CEAT470M25
	C	309	(A,32,44)	CEAT470M25
	C	310	(A,54,42) ELECT. CAPACITOR	CEAT470M25
	C	311	(B,82,48)	CKSRYB473K25
	C	312	(A,86,42)	CEAT470M25
	C	313	(B,76,34)	CKSRYB473K25
	C	314	(A,77,38)	CEAT470M25
	C	333	(B,21,81)	CKSRYB331K50
	C	338	(A,61,37) ELECT. CAPACITOR	CEAT470M25
	C	339	(B,46,48)	CKSRYB104K25
	C	340	(B,57,36)	CKSRYB104K25
	C	347	(B,45,43)	CCSRCH470J50
	C	350	(A,38,80)	CEAT101M16
	C	379	(B,22,41)	CKSRYB103K50
	C	380	(A,43,74)	CEAT101M16
	C	390	(A,30,75) ELECTR.CAPACITOR	CEAT102M10
	C	391	(A,49,61)	CEAT101M16
	C	444	(B,38,65)	CKSRYB104K25
	C	851	(A,83,83)	CEAT101M16
	C	852	(A,93,82)	CEAT101M16
	C	853	(B,102,82)	CKSRYB473K25
	C	854	(B,91,75)	CKSRYB473K25
	C	855	(B,106,54)	CCSRCH150J50
	C	856	(B,103,54)	CCSRCH180J50
	C	857	(B,101,54)	CCSRCH240J50
	C	858	(B,99,54)	CCSRCH240J50
	C	859	(B,99,47)	CCSRCH470J50
	C	860	(B,98,82)	CKSRYB473K25
	C	861	(B,100,82)	CKSRYB473K25
	C	862	(B,105,82)	CCSRCH101J50
	C	864	(A,73,83)	CEAT101M16
	C	1360	(B,18,65)	CKSRYB103K50

R DIGITAL IN ASSY

MISCELLANEOUS

	F	1901	(B,214,228) INDUCTOR	CTF1295
	JA	1900	(A,206,201) OPT. LINK IN	GP1FAV51RKBF
	JA	1901	(A,220,201) OPT. LINK IN	GP1FAV51RKBF
	KN	1902	(A,249,206) SCREW PLATE	VNE1948
	CN	1902	(A,211,238) CONNECTOR POST	B5B-PH
	CN	1903	(A,229,230) CONNECTOR	VKN1186

RESISTORS

	R	1900	(B,211,215)	RS1/16S101J
	R	1901	(B,214,223)	RS1/16S101J

CAPACITORS

	C	1900	(B,205,215)	CKSRYB104K25
	C	1901	(B,217,215)	CKSRYB104K25
	C	1903	(B,211,230)	CKSRYB103K50
	C	1904	(A,208,228)	CEAL101M10
	C	1905	(B,233,232)	CKSRYB104K25
	C	1906	(B,235,232)	CKSRYB103K50
	C	1907	(B,237,232)	CCSRCH101J50
	C	1908	(B,239,232)	CKSRYB102K50
	C	1909	(B,215,234)	CCSRCH101J50

Mark	No.		Description	Part No.

S FRONT VIDEO ASSY

MISCELLANEOUS

	JA 902	(A,152,231)	PIN JACK(4P)	AKX7014
	CN901	(A,117,238)	CONNECTOR	B8B-PH

RESISTORS

	R 901	(B,166,230)		RS1/16S331J
	R 902	(B,182,228)		RS1/16S331J
	R 903	(B,170,230)		RS1/16S474J
	R 904	(B,178,228)		RS1/16S474J
	R 905	(B,151,225)		RS1/16S750J
	R 906	(B,123,227)		RS1/16S750J
	R 907	(B,128,232)		RS1/16S750J

CAPACITORS

	C 901	(B,166,224)		CCSRCH101J50
	C 902	(B,181,220)		CCSRCH101J50
	C 903	(A,143,234)	ELECTR. CAPACITOR	CEAL470M25
	C 904	(B,126,227)		CKSRYB104K25
	C 905	(A,122,233)	ELECTR. CAPACITOR	CEAL470M25
	C 906	(B,165,218)		CKSRYB104K25
	C 907	(B,167,218)		CKSRYB471K50
	C 908	(B,170,218)		CKSRYB103K25
	C 909	(B,150,218)		CKSRYB104K25
	C 910	(B,152,218)		CKSRYB471K50
	C 911	(B,154,218)		CKSRYB103K25
	C 912	(B,130,218)		CKSRYB104K25
	C 913	(B,132,218)		CKSRYB471K50
	C 914	(B,141,218)		CKSRYB103K25
	C 915	(B,168,230)		CCSRCH101J50
	C 916	(B,180,228)		CCSRCH101J50

U PRIMARY ASSY

MISCELLANEOUS

⚠	IC 51	(A,234,14)	REGULATOR IC	TA78057S
	Q 51	(B,267,14)	DIGITAL TR(SC-70)	RT1N431M
⚠	D 51	(B,298,20)	BRIDGE DIODE	DF06SA
	D 55	(A,304,21)	DIODE	1SR139-400
	D 56	(A,271,21)	DIODE	1SS133
	D 58	(A,314,13)	ZENER DIODE	MTZJ5.1B
	H 51	(A,231,34)	FUSE CLIP	AKR7001
	H 52	(A,250,34)	FUSE CLIP	AKR7001
	J 52		JUMPER WIRE	D20PYY0410E
	KN51	(A,318,25)	WRAPPING TERMINAL	VNF1084
	KN3001	(A,223,117)	SCREW PLATE	VNE1948
⚠	RY51	(A,271,57)	RELAY	XSR3013
⚠	T 51	(A,288,56)	STANDBY TRANSFORMER	ATT7043
⚠	CN51	(A,236,47)	AC CODE SOCKET	RKP1751
⚠	51	(A,252,122)	AC SOCKET 1-P	AKP1060
	55	(A,317,9)	4P CABLE HOLDER	51048-0400

RESISTORS

⚠	R 51	(A,318,37)	RESISTOR(2.2M, 1/2W)	RCN1080
	R 52	(A,275,11)		RD1/2PM270J
	R 53	(A,307,12)		RD1/4PU332J
	R 54	(A,319,16)		RD1/4PU103J

CAPACITORS

⚠	C 51	(A,261,64)	FILM CAPACITOR	ACE7013
⚠	C 52	(A,265,57)	SAFETY CAPACITOR	XCG3009
	C 53	(A,291,21)	ELECT. CAPACITOR	CEAT102M16
	C 54	(A,300,11)		CEAT470M25
	C 55	(A,307,21)		CKPUYF103Z25
	C 56	(A,311,21)		CKPUYF103Z25
	C 57	(A,314,21)		CKPUYF103Z25

V TRANS1 ASSY

TRANS1 ASSY has no service part.

W USB ASY (VSX-916/MYXJ5)

MISCELLANEOUS

	IC 701	(A,37,40)	USB MEDIA CONTROL IC	TCC760HC01-AG
⚠	IC 702	(A,63,35)	REGULATOR IC	MM1561JF
⚠	IC 703	(A,87,25)	REGULATOR IC	BD7802FP
	IC 761	(A,63,46)	SD-RAM(64M)	HY57V641620ETP-6
	IC 762	(A,87,46)	FLASH ROM	AYW7088
			IC9762 FLASH MEMORY IC	S29AL016D70TFI010
	IC 771	(A,58,59)	LOAD SWITCHING	AAT4618IGV-0.5-1
	IC 781	(A,37,16)	AUDIO DAC	AK4387ET
	IC 951	(A,67,28)	IC	TC74VHCT08AFTS1
	IC 953	(A,52,25)	IC	TC74VHC08FTS1
	Q 782	(B,94,44)	CHIP TRANSISTOR	DTC114YUA
	Q 783	(B,92,38)	TRANSISTOR	2SA1576A
	Q 784	(B,87,32)	TRANSISTOR	IMX9
	L 701	(B,27,42)	INDUCTOR	LCTC100K1608
	L 702	(B,34,33)	CHIP SOLID INDUCTOR	QTL1013
	L 703	(A,24,30)	CHIP SOLID INDUCTOR	QTL1013
	L 704	(B,53,56)	CHIP SOLID INDUCTOR	QTL1013
	L 705	(B,28,38)	CHIP FERRITE BEADS	VTL1169
	L 731	(A,28,60)	CHIP FERRITE BEADS	VTL1169
	L 733	(A,36,56)	COIL	VTH1043
	L 761	(B,78,47)	CHIP SOLID INDUCTOR	QTL1013
	L 762	(B,85,44)	CHIP SOLID INDUCTOR	QTL1013
	L 781	(B,46,19)	CHIP SOLID INDUCTOR	QTL1013
	L 951	(A,59,30)	CHIP SOLID INDUCTOR	QTL1013
	L 953	(A,72,37)	CHIP SOLID INDUCTOR	QTL1013
	X 701	(A,23,42)	CRYSTAL OSCILLATOR	CSS1614
	CN701	(A,33,60)	CONNECTOR	B4B-PH
	CN702	(A,87,16)	15P SOCKET	XKP3078

RESISTORS

	R 702	(A,43,55)		RS1/16S473J
	R 703	(A,38,53)		RS1/16S0R0J
	R 704	(A,35,53)		RS1/16S0R0J
	R 705	(A,30,54)		RS1/16S470J
	R 706	(A,30,52)		RS1/16S470J
	R 707	(B,32,48)		RS1/16S470J
	R 708	(B,22,51)		RS1/16S470J
	R 709	(B,23,41)		RS1/16S0R0J
	R 710	(B,35,42)		RS1/16S0R0J
	R 711	(B,37,42)		RS1/16S472J
	R 712	(A,27,43)		RS1/16S475J
	R 717	(A,31,29)		RS1/16S473J
	R 718	(A,36,25)		RS1/16S101J
	R 719	(A,35,25)		RS1/16S101J
	R 720	(A,35,21)		RS1/16S101J
	R 724	(A,39,21)		RS1/16S472J
	R 725	(A,44,25)		RS1/16S472J

Mark	No.	Description	Part No.
R	726	(A,42,21)	RS1/16S472J
R	727	(A,33,21)	RS1/16S101J
R	729	(B,30,38)	RS1/16S103J
R	730	(B,39,33)	RS1/16S102J
R	734	(A,43,58)	RS1/16S0R0J
R	735	(A,32,55)	RS1/16S153J
R	736	(A,40,55)	RS1/16S153J
R	737	(A,34,55)	RS1/16S100J
R	738	(A,39,55)	RS1/16S100J
R	741	(B,79,23)	RS1/16S101J
R	744	(A,77,20)	RS1/16S101J
R	745	(A,76,21)	RS1/16S101J
R	746	(A,74,20)	RS1/16S101J
R	747	(A,72,20)	RS1/16S101J
R	748	(A,71,20)	RS1/16S101J
R	755	(A,26,45)	RS1/16S0R0J
R	756	(A,26,41)	RS1/16S472J
R	757	(A,43,60)	RS1/16S0R0J
R	771	(A,61,56)	RS1/16S221J
R	772	(A,58,56)	RS1/16S104J
R	773	(A,71,59)	RS1/16S0R0J
R	784	(A,30,21)	RS1/16S470J
R	786	(A,41,21)	RS1/16S470J
R	788	(A,44,21)	RS1/16S4R7J
R	789	(A,74,25)	RS1/16S471J
R	790	(A,79,23)	RS1/16S471J
R	791	(B,83,34)	RS1/16S104J
R	792	(B,90,30)	RS1/16S104J
R	793	(B,83,30)	RS1/16S101J
R	794	(B,90,34)	RS1/16S101J
R	795	(A,87,33)	RS1/16S222J
R	796	(A,87,30)	RS1/16S222J
R	797	(B,92,44)	RS1/16S102J
R	798	(B,95,38)	RS1/16S102J
R	799	(B,90,38)	RS1/16S103J
R	951	(B,43,26)	RS1/16S472J
R	952	(A,62,31)	RS1/16S472J
R	966	(A,72,32)	RS1/16S101J
R	972	(A,62,28)	RS1/16S101J
R	973	(A,73,29)	RS1/16S101J
R	977	(A,47,25)	RS1/16S101J
R	978	(A,47,28)	RS1/16S101J
R	979	(B,58,27)	RS1/16S101J
R	980	(B,60,27)	RS1/16S101J

CAPACITORS

C	701	(A,49,36)	CKSRYB104K16
C	702	(A,47,36)	CCSRCH471J50
C	703	(A,49,40)	CKSRYB104K16
C	704	(A,47,40)	CCSRCH471J50
C	705	(A,49,44)	CKSRYB104K16
C	706	(A,47,44)	CCSRCH471J50
C	707	(A,45,51)	CKSRYB104K16
C	708	(A,45,50)	CCSRCH471J50
C	709	(A,30,51)	CKSRYB104K16
C	710	(A,30,50)	CCSRCH471J50
C	711	(B,30,45)	CKSRYB104K16
C	712	(B,27,45)	CCSRCH471J50
C	713	(A,26,46)	CCSRCH120J50
C	714	(A,26,39)	CCSRCH120J50
C	715	(B,26,38)	CKSRYB331K50
C	716	(B,32,33)	CKSRYB104K16
C	717	(B,30,33)	CCSRCH471J50
C	719	(A,25,36)	CCSRCH471J50
C	720	(B,23,30)	CKSRYB104K16
C	721	(A,24,24)	CEJQ101M6R3
C	723	(A,37,27)	CCSRCH471J50
C	724	(A,37,29)	CKSRYB104K16
C	726	(A,34,27)	CKSRYB104K16
C	727	(A,34,29)	CCSRCH471J50
C	728	(A,41,28)	CKSRYB104K16
C	729	(A,41,29)	CCSRCH471J50
C	730	(B,60,34)	CCSRCH471J50
C	731	(A,25,55)	CEJQ101M16
C	732	(B,29,55)	CKSRYB104K16
C	733	(B,29,60)	CKSRYB104K16
C	734	(B,41,32)	CKSRYB103K50
C	735	(B,37,33)	CKSRYB103K50
C	741	(A,92,19)	CEJQ101M16
C	742	(B,96,20)	CKSRYB104K16
C	743	(A,96,32)	CKSRYB105K6R3
C	745	(B,64,35)	CKSRYB105K6R3
C	746	(A,53,32)	CKSQYB225K10
C	761	(B,71,46)	CKSRYB104K16
C	762	(B,73,46)	CCSRCH471J50
C	763	(B,67,46)	CCSRCH471J50
C	764	(B,65,46)	CCSRCH471J50
C	766	(B,52,50)	CCSRCH471J50
C	767	(B,80,44)	CKSRYB104K16
C	768	(B,82,44)	CCSRCH471J50
C	771	(A,62,60)	CKSQYB105K16
C	773	(A,55,60)	CKSRYB104K16
C	781	(A,44,17)	CCSRCH471J50
C	782	(A,45,19)	CKSRYB104K16
C	783	(A,49,19)	CEJQ470M16
C	784	(A,45,16)	CKSRYB104K16
C	786	(A,55,16)	CEJQ100M16
C	788	(A,42,18)	CKSRYB104K16
C	789	(A,77,26)	CKSRYB102K50
C	790	(A,79,25)	CKSRYB102K50
C	791	(A,75,31)	CEJQ100M16
C	792	(A,81,31)	CEJQ100M16
C	951	(A,58,27)	CCSRCH471J50
C	952	(A,59,27)	CKSRYB105K10
C	956	(A,70,34)	CKSQYB105K10
C	957	(A,70,33)	CCSRCH471J50

X USB IN ASSY

MISCELLANEOUS

IC	951	(B,55,57) OP-AMP IC	HA17558AF
D	951	(B,73,69) DIODE	UDZS5R1(B)
D	952	(A,38,107) DIODE	UDZS5R1(B)
D	953	(A,36,107) DIODE	UDZS5R1(B)
D	957	(B,57,67) DIODE	DAN217U
F	951	(B,60,12) INDUCTOR	CTF1295
JA	951	(A,80,16) OPTICAL IN MOD.	GP1FMV51RK0F
JA	952	(A,78,58) JACK	RKN1004
KN	951	(A,46,34) WRAPPING TERMINAL	VNF1084
CN	951	(A,49,19) CONNECTOR POST	B5B-PH

Mark	No.		Description	Part No.
	CN952	(A,46,104)	CONNECTOR	CKS3370

RESISTORS

R	951	(B,66,18)	RS1/16S101J
R	953	(A,38,72)	RS1/16S682J
R	954	(A,54,61)	RS1/16S101J
R	955	(A,50,67)	RS1/16S104J
R	956	(B,65,53)	RS1/16S102J
R	957	(B,57,69)	RS1/16S104J
R	958	(B,63,53)	RS1/16S104J
R	959	(B,63,59)	RS1/16S333J
R	960	(B,56,64)	RS1/16S472J
R	961	(B,59,57)	RS1/16S101J
R	962	(B,41,63)	RS1/16S101J
R	963	(A,37,81)	RS1/16S104J
R	966	(B,51,63)	RS1/16S472J
R	967	(B,45,63)	RS1/16S333J
R	972	(A,48,70)	RS1/16S102J
R	973	(A,46,73)	RS1/16S0R0J
R	974	(A,35,106)	RS1/16S0R0J
R	975	(A,33,106)	RS1/16S0R0J

CAPACITORS

C	951	(B,64,12)		CKSRYB104K50
C	952	(B,35,59)		CKSRYB103K50
C	953	(B,33,59)		CKSRYB104K50
C	956	(A,43,68)	CHIP ELECT.CAPACITOR	CEVW100M50
C	957	(A,51,67)		CKSRYB103K50
C	958	(A,43,79)	CHIP ELECT.CAPACITOR	CEVW100M50
C	959	(A,48,67)		CKSRYB471K50
C	960	(A,56,68)		CCSRCH101J50
C	962	(A,39,81)		CKSRYB103K50
C	963	(A,34,99)	CHIP ELECT.CAPACITOR	CEVW100M50
C	964	(B,43,63)		CCSRCH330J50
C	965	(B,63,61)		CCSRCH330J50
C	967	(A,35,67)	CHIP ELECT.CAPACITOR	CEVW100M50
C	968	(A,32,79)	CHIP ELECT.CAPACITOR	CEVW100M50

Y FM/AM TUNER UNIT

FM/AM TUNER UNIT has no service part.

6. ADJUSTMENT

There is no information to be shown in this chapter.

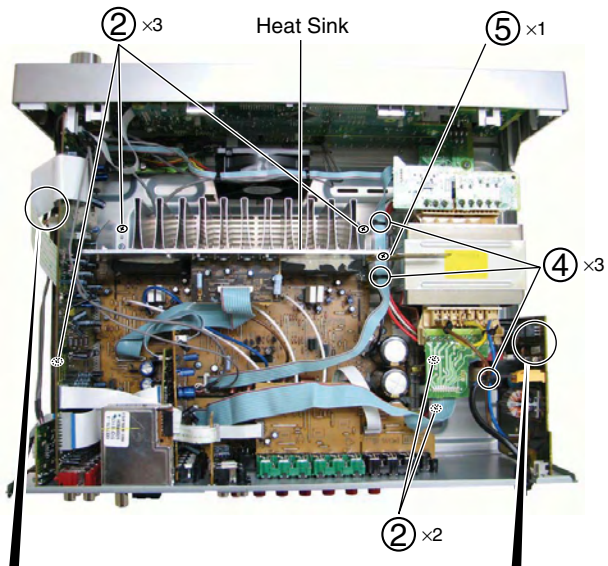
7. GENERAL INFORMATION

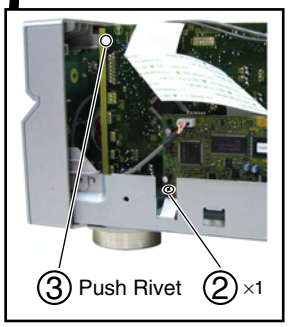
7.1 DIAGNOSIS

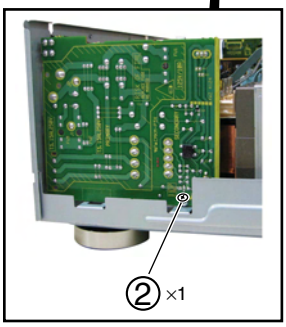
7.1.1 DISASSEMBLY

Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

① Remove the top cover (five screws).

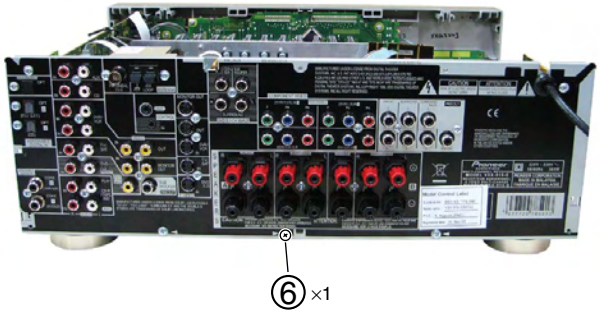


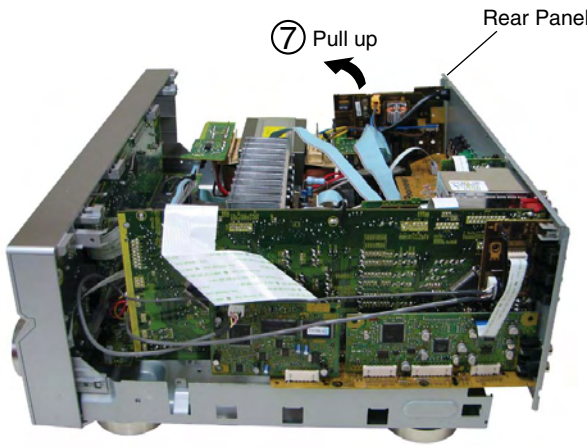




④ Cut 3 cable ties.

⑤ Remove PCB holder(one screw).



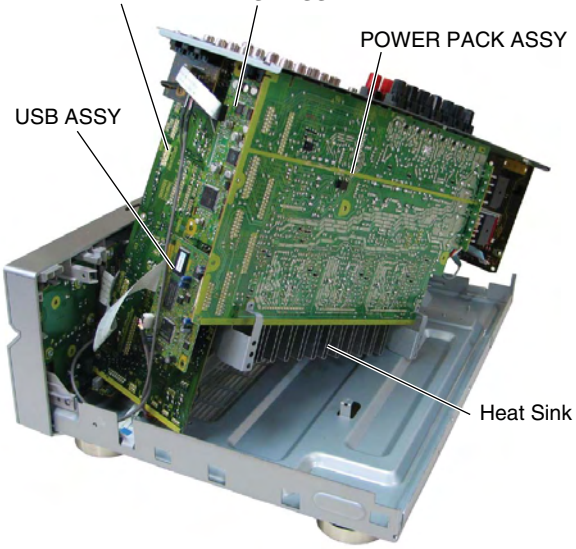


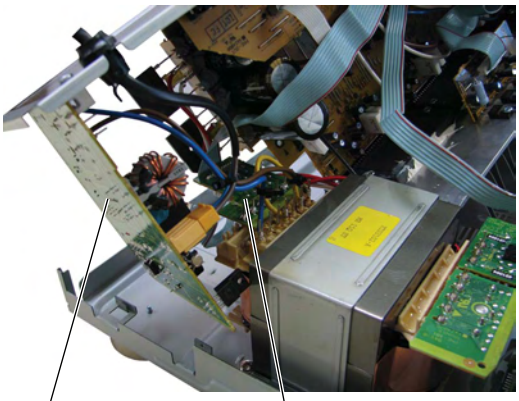
Note : The unit does not operate when the screws of Speaker Terminal are taken off from Rear Panel.

Heat-sink caution when disassembling : The Heat-sink becomes hot; please take care.

Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

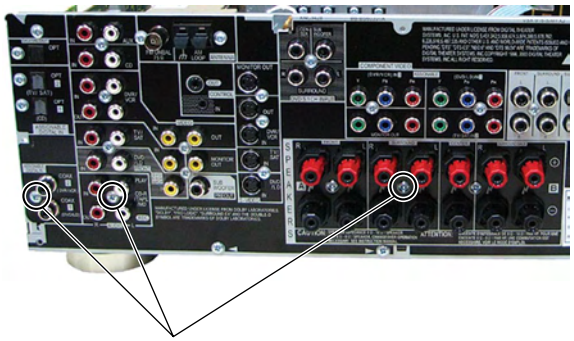
⑧ Diagnosis





Be careful that no parts on the Primary Assy are touching the chassis.

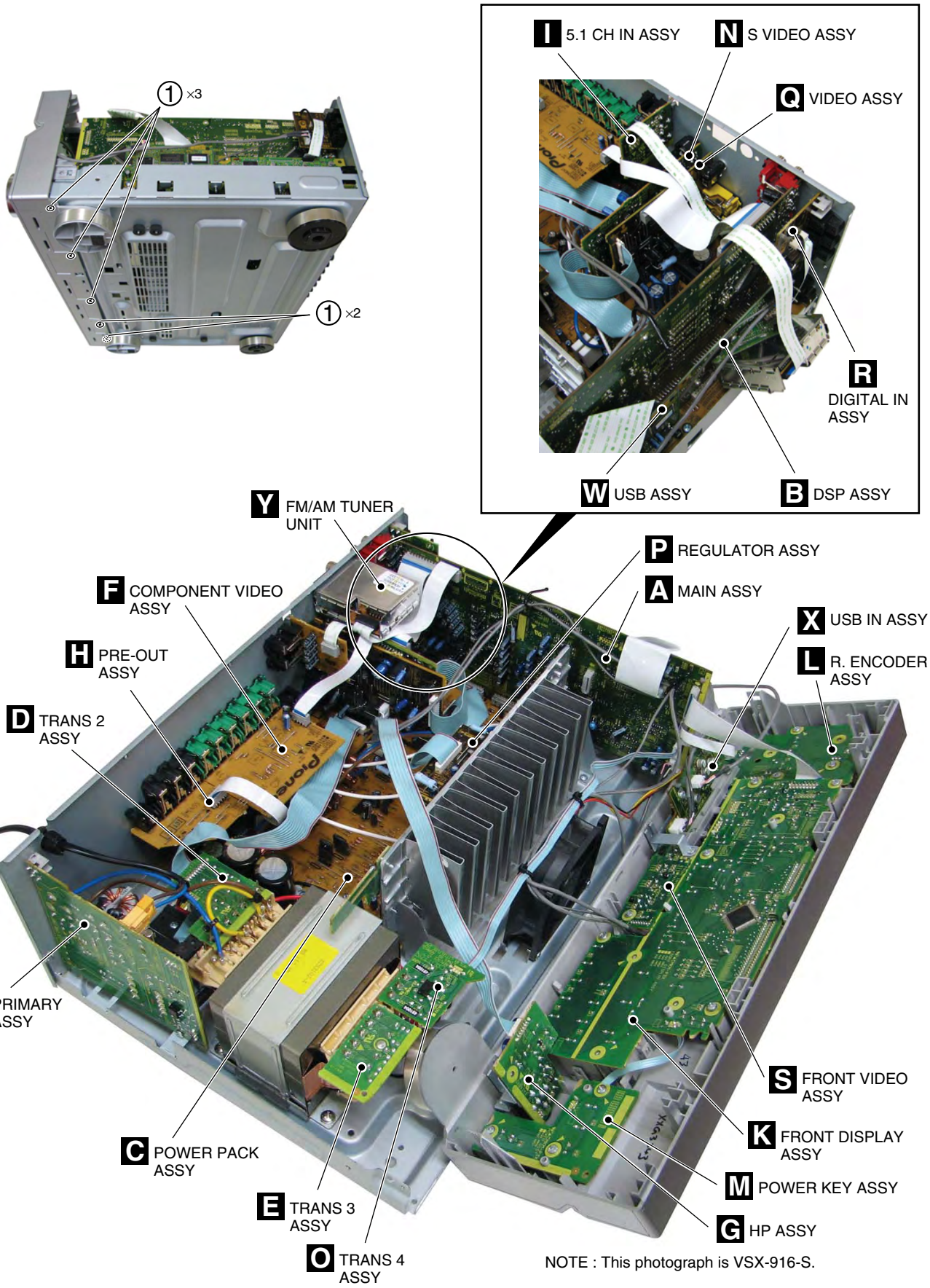
When lifting up the Amplifier Assy, be careful not to damage this TRANS Assy.



CAUTION:
These 3 screws in the rear panel should be tightened at all times.
They have to be connected to the chassis, otherwise the unit may not work properly.

Note : The unit does not operate when the screws of Speaker Terminal are taken off from Rear Panel.

Heat-sink caution when disassembling : The Heat-sink becomes hot; please take care.



NOTE : This photograph is VSX-916-S.

7.2 PARTS
7.2.1 IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

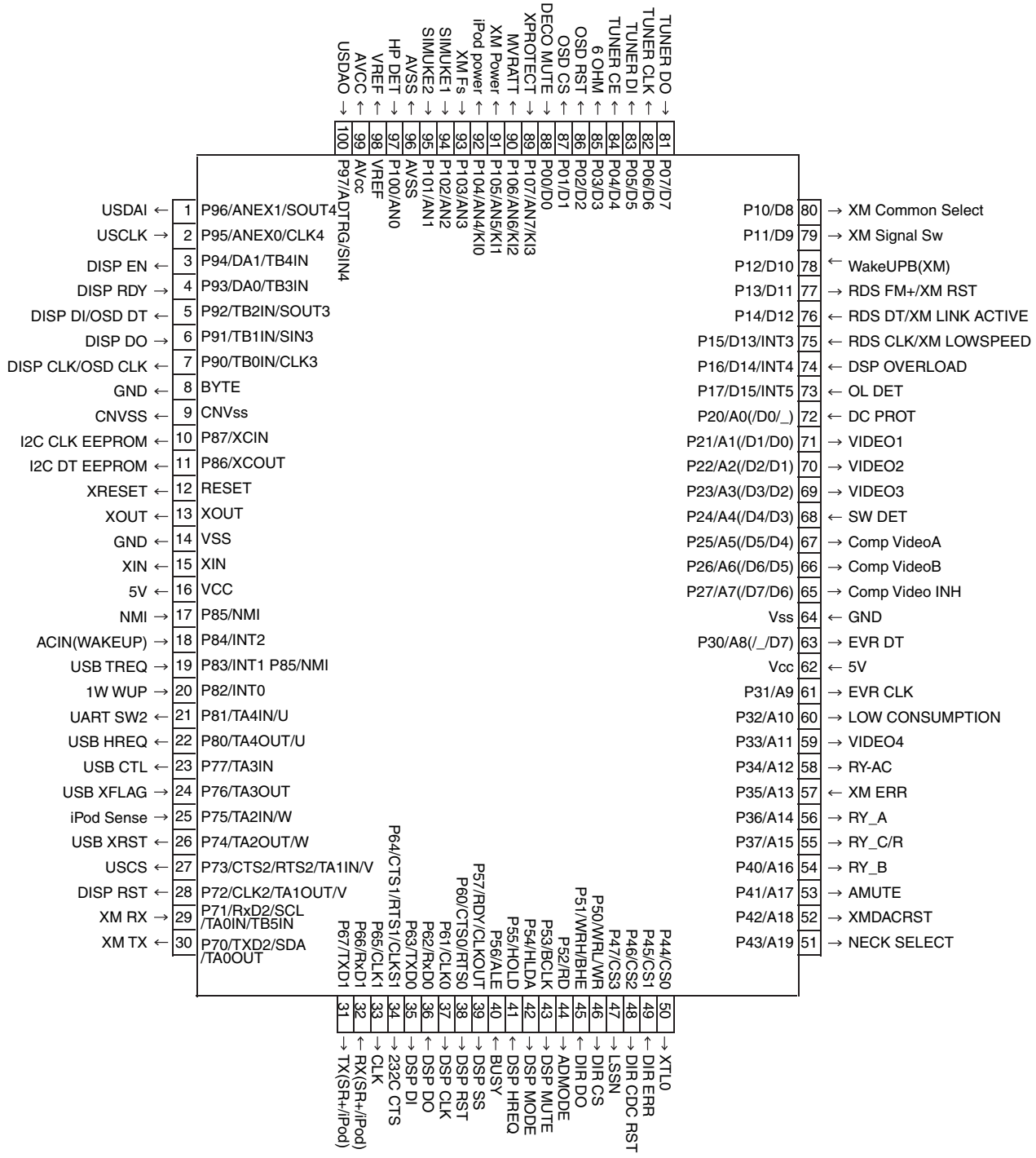
• List of IC

PEG216A, PE5550A, NJM2243M, NJM2595M, R2S15205FP, STK413-230C, TCC760HC01-AG, AAT4618IGV-0.5-1

■ PEG216A (MAIN ASSY : IC9001)

• System Control MCU

■ Pin Arrangement (Top View)



• Pin Function

No.	Port	Pin Name	I/O	Pin Function
1	P96/ANEX1/SOUT4	USB DAI	I/O	data out to USB
2	P95/ANEX0/CLK4	USCLK	I/O	clock signal from USB
3	P94/DA1/TB4IN	DISP EN	I/O	enable signal to display u-com
4	P93/DA0/TB3IN	DISP RDY	I/O	ready signal from display u-com
5	P92/TB2IN/SOUT3	DISP DI/OSD DT	I/O	data out to display u-com/OSD IC
6	P91/TB1IN/SIN3	DISP DO	I/O	data in from display u-com
7	P90/TB0IN/CLK3	DISP CLK/OSD CLK	I/O	clock signal to display u-com/OSD IC
8	BYTE	GND		
9	CNVss	CNVSS		
10	P87/XCIN	I2C CK	I/O	clock for I2C communication with EEPROM IC
11	P86/XCOUT	I2C DT	I/O	data for I2C communication with EEPROM IC
12	RESET	XRESET		
13	XOUT	XOUT		
14	VSS	GND		
15	XIN	XIN		
16	VCC	5V		
17	P85/NMI	NMI	I	no use
18	P84/INT2	ACIN(WAKEUP)	I/O	AC pulse in
19	P83/INT1 P85/NMI	USB TREQ	I/O	Request from TCC760 to main u-com
20	P82/INT0	1W WUP	I/O	wake up signal from display u-com
21	P81/TA4IN/U	UART SW2	I/O	L:SR + route and H:iPod or XM route are selected.
22	P80/TA4OUT/U	USB HREQ	I/O	Request from main u-com to TCC760
23	P77/TA3IN	USB CTL	I/O	From main u-com to USB power switch IC
24	P76/TA3OUT	USB XFLAG	I/O	From USB power switch IC to main u-com
25	P75/TA2IN/W	iPod Sense	I/O	iPod Sense
26	P74/TA2OUT/W	USB XRST	I/O	reset signal to USB
27	P73/CTS2/RTS2/TA1IN/V	USCS	I/O	From main u-com to TCC760
28	P72/CLK2/TA1OUT/V	DISP RST	I/O	reset signal to display u-com
29	P71/RxD2/SCL/TA0IN/TB5IN	XM RX	I/O	XM communication
30	P70/TXD2/SDA/TA0OUT	XM TX	I/O	XM communication
31	P67/TXD1	TXD(SR+/iPod)	I/O	SR+/iPod communication
32	P66/RxD1	RXD(SR+/iPod)	I/O	SR+/iPod communication
33	P65/CLK1	CLK	I/O	It is necessary when writing for JIG
34	P64/CTS1/RTS1/CLKS1	232C CTS	I/O	For rewriting 232C (Admit communication)
35	P63/TXD0	DSP DI	I/O	Data output signal for communication with DSP and DIR
36	P62/RxD0	DSP DO	I/O	Data input signal for communication with DSP
37	P61/CLK0	DSP CLK	I/O	Clock signal for communication with DSP and DIR
38	P60/CTS0/RTS0	DSP RST	I/O	Reset signal for DSP
39	P57/RDY/CLKOUT	DSP SS	I/O	Strobe select signal to DSP
40	P56/ALE	BUSY	I/O	Use it in MCACC
41	P55/HOLD	DSP HREQ	I/O	DSP error detect signal
42	P54/HLDA	DSP MODE	I/O	Mode select of DSP (ROM/RAM)
43	P53/BCLK	DSP MUTE	I/O	DSP ASSY mute
44	P52/RD	ADMODE	I/O	DSP ASSY
45	P51/WRH/BHE	DIR DO	I/O	Data input signal for communication with DIR/DAC
46	P50/WRL/WR	DIR CS	I/O	Chip select signal for communication with DIR/DAC
47	P47/CS3	LSSN	I/O	DSP ASSY
48	P46/CS2	DIR CDC RST	I/O	Reset signal for DIR CODEC
49	P45/CS1	DIR ERR	I/O	lock/unlock signal
50	P44/CS0	XTL0	I/O	DIR X'tal change

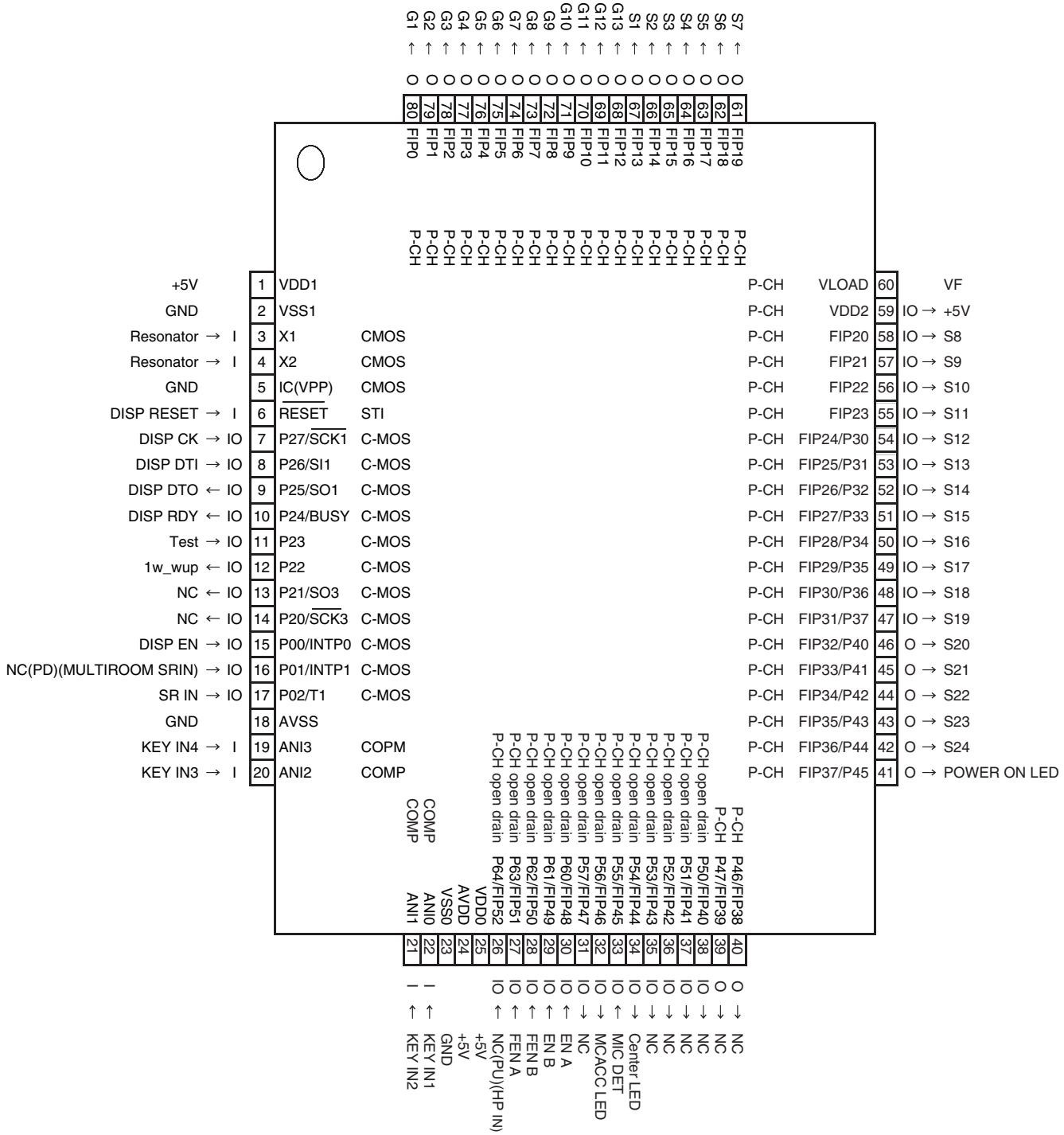
• Pin Function

No.	Port	Pin Name	I/O	Pin Function
51	P43/A19	NECK_SEL	I/O	For 8ohm spk impedance: "H at Adv Surr,Standard,5.1Multich,speaker A+B(7ch model). For 6 ohm spk impedance: L
52	P42/A18	XMDACRST	I/O	RESET of 2chDAC for XM
53	P41/A17	AMUTE	I/O	System mute
54	P40/A16	RY_B	I/O	Speaker B relay-on / OFF at 916, 816 and 516. This RY_B is used for SW relay at 316.
55	P37/A15	RY_C/R	I/O	Rear one / center relay-on / OFF
56	P36/A14	RY_A	I/O	Speaker A relay-on / OFF
57	P35/A13	XM ERR	I/O	
58	P34/A12	RY-AC	I/O	AC relay on/off
59	P33/A11	VIDEO4	I/O	NJM2296 control (VIDEO input select) (SX316 no connect)
60	P32/A10	LOW_CONSUMPTION	I/O	When 1 minutes passed after power off and then go into stop mode and port L, else H.
61	P31/A9	EVR CLK	I/O	Clock signal for Function and E-volume
62	Vcc	5V		
63	P30/A8(/_/D7)	EVR DT	I/O	Data signal for Function and E-volume
64	Vss	GND		
65	P27/A7(/D7/D6)	COMP VIDEO INH	I/O	Component terminal control
66	P26/A6(/D6/D5)	COMP VIDEOB	I/O	Component terminal control
67	P25/A5(/D5/D4)	COMP VIDEOA	I/O	Component terminal control
68	P24/A4(/D4/D3)	SWDET	I/O	"H": SW YES, "L": SW NO (SX316 no connect)
69	P23/A3(/D3/D2)	VIDEO3	I/O	NJM2296 control (VIDEO input select) (SX316 no connect)
70	P22/A2(/D2/D1)	VIDEO2	I/O	NJM2296 control (VIDEO input select) (SX316 no connect)
71	P21/A1(/D1/D0)	VIDEO1	I/O	NJM2296 control (VIDEO input select) (SX316 no connect)
72	P20/A0(/D0/_)	DC PROTECT	I/O	Amplifier DC detection. H:Normal, L:Abnormal
73	P17/D15/INT5	OL DET	I/O	Amplifier overload detection. H:Normal, L:Abnormal
74	P16/D14/INT4	DSP OVERLOAD	I/O	ANALOG OVER LOAD detect (H : detect)
75	P15/D13/INT3	RDS CLK/XM LOWSPEED	I/O	RDS clock in signal/XM Lowspeed
76	P14/D12	RDS DT/Link ACTIVE(XM)	I/O	RDSdata in signal/XM Link Active
77	P13/D11	RDS FM+/XM RST	I/O	RDS power supply/XM reset. FM : Low, AM:High
78	P12/D10	WAKE UPB(XM)	I/O	XMDT for communication
79	P11/D9	XM Signal Sw	I/O	CLK,DT, etc. XM/DIR selector (XM : High)
80	P10/D8	XM Common Select	I/O	XM
81	P07/D7	TUNER DO	I/O	Data input signal for tuner contorol
82	P06/D6	TUNER CLK	I/O	Clock signal for tuner contorol
83	P05/D5	TUNER DI	I/O	Data output signal for tuner contorol
84	P04/D4	TUNER CE	I/O	Chip select signal for tuner contorol
85	P03/D3	6 OHM	I/O	if stop mode, port L, else according to setting(J model No connect)
86	P02/D2	OSD RST	I/O	
87	P01/D1	OSD CS	I/O	
88	P00/D0	DECO MUTE	I/O	1st DSP detect port
89	P107/AN7/KI3	XPROTECT	I/O	Power supply abnormal condition detection. H: Normal, L: Abnormal.
90	P106/AN6/KI2	MVRATT	I/O	Master volume ATT control (-15dB or less : L)
91	P105/AN5/KI1	XM POW	I/O	XM antenna power supply. H always. When abnormally detecting it, it makes it to L.
92	P104/AN4/KI0	iPod POW	I/O	IPod power supply. H always. When abnormally detecting it, it makes it to L.
93	P103/AN3	XM Fs	I/O	XM
94	P102/AN2	SIMUKE1	I/O	Input 1 to switch region
95	P101/AN1	SIMUKE2	I/O	Input 2 to switch region
96	AVSS	AVSS		connects with VCC.
97	P100/AN0	HP DET	I/O	HP detection H:detected.
98	VREF	VREF		connects with VCC.
99	AVcc	AVCC		connects with VCC.
100	P97/ADTRG/SIN4	USDAO	I/O	data input from USB

■ PE5550A (FRONT DISPLAY ASSY : IC401)

• System Control MCU

■ Pin Arrangement (Top View)


1 VDD1 +5V
2 VSS1 GND
3 X1 CMOS Resonator → I
4 X2 CMOS Resonator → I
5 IC(VPP) CMOS GND
6 RESET STI DISP RESET → I
7 P27/SCK1 C-MOS DISP CK → IO
8 P26/SI1 C-MOS DISP DTI → IO
9 P25/SO1 C-MOS DISP DTO ← IO
10 P24/BUSY C-MOS DISP RDY ← IO
11 P23 C-MOS Test → IO
12 P22 C-MOS 1w_wup ← IO
13 P21/SO3 C-MOS NC ← IO
14 P20/SCK3 C-MOS NC ← IO
15 P00/INTP0 C-MOS DISP EN → IO
16 P01/INTP1 C-MOS NC(PD)(MULTIROOM SRIN) → IO
17 P02/T1 C-MOS SR IN → IO
18 AVSS GND
19 ANI3 COPM KEY IN4 → I
20 ANI2 COMP KEY IN3 → I
21 ANI1 KEY IN2
22 ANI0 KEY IN1
23 VSS0 GND
24 AVDD +5V
25 VDD0 +5V
26 P64/FIP52 NC(PU)(HP IN)
27 P63/FIP51 FEN A
28 P62/FIP50 FEN B
29 P61/FIP49 EN B
30 P60/FIP48 EN A
31 P57/FIP47 NC
32 P56/FIP46 MCACC LED
33 P55/FIP45 MIC DET
34 P54/FIP44 Center LED
35 P53/FIP43 NC
36 P52/FIP42 NC
37 P51/FIP41 NC
38 P50/FIP40 NC
39 P47/FIP39 NC
40 P46/FIP38 NC
41 P45 POWER ON LED → O
42 P44 → O S24
43 P43 → O S23
44 P42 → O S22
45 P41 → O S21
46 P40 → O S20
47 P37 → IO S19
48 P36 → IO S18
49 P35 → IO S17
50 P34 → IO S16
51 P33 → IO S15
52 P32 → IO S14
53 P31 → IO S13
54 P30 → IO S12
55 FIP23 → IO S11
56 FIP22 → IO S10
57 FIP21 → IO S9
58 FIP20 → IO S8
59 VDD2 → IO +5V
60 VLOAD VF
61 FIP19 → O S7
62 FIP18 → O S6
63 FIP17 → O S5
64 FIP16 → O S4
65 FIP15 → O S3
66 FIP14 → O S2
67 FIP13 → O S1
68 FIP12 → O G13
69 FIP11 → O G12
70 FIP10 → O G11
71 FIP9 → O G10
72 FIP8 → O G9
73 FIP7 → O G8
74 FIP6 → O G7
75 FIP5 → O G6
76 FIP4 → O G5
77 FIP3 → O G4
78 FIP2 → O G3
79 FIP1 → O G2
80 FIP0 → O G1
P-CH
P-CH open drain
COMP

• Pin Function

No.	Port	Pin Name	I/O	Pin Function
1	VDD1	+5V	-	positive power supply
2	VSS1	GND	-	ground potential
3	X1	Resonator	I	crystal connection for system clock oscillation
4	X2	Resonator	-	crystal connection for system clock oscillation
5	IC(VPP)	GND	-	
6	RESET	DISP RESET	I	receive reset signal from main u-com
7	P27/SCK1	DISP CK	I/O	clock signal from main u-com
8	P26/SI1	DISP DTI	I/O	datain from main u-com
9	P25/SO1	DISP DTO	I/O	data out to main u-com
10	P24/BUSY	DISP RDY	I/O	ready signal from main u-com
11	P23	Test	I/O	test mode input for checker
12	P22	1w_wup	I/O	output wakeup signal to main u-com
13	P21/SO3	NC	I/O	
14	P20/SCK3	NC	I/O	
15	P00/INTP0	DISP EN	I/O	enable signal from main u-com
16	P01/INTP1	NC	I/O	
17	P02/T1	SR IN	I/O	remote control signal input from main room
18	AVSS	GND	-	ground potential for A/D converter
19	ANI3	KEY IN4	I	
20	ANI2	KEY IN3	I	
21	ANI1	KEY IN2	I	
22	ANI0	KEY IN1	I	
23	VSS0	GND	-	ground potential for ports
24	AVDD	+5V	-	analog power voltage input to A/D converter
25	VDD0	+5V	-	positive power supply to ports
26	P64/FIP52	NC	I/O	
27	P63/FIP51	FEN A	I/O	MULTI JOG(Right)
28	P62/FIP50	FEN B	I/O	MULTI JOG(Left)
29	P61/FIP49	EN B	I/O	VOLUME JOG1(-)
30	P60/FIP48	EN A	I/O	VOLUME JOG1(+)
31	P57/FIP47	NC	I/O	NC
32	P56/FIP46	MCACC LED	I/O	MCACC LED output
33	P55/FIP45	MIC DET	I/O	MIC detection. L:detected, H:No detect
34	P54/FIP44	Center LED	I/O	Digital Precision Processing LED. H:ON, L:OFF. Only for 816KU, 816SF, 916MY, 516J
35	P53/FIP43	NC	I/O	NC
36	P52/FIP42	NC	I/O	NC
37	P51/FIP41	NC	I/O	NC
38	P50/FIP40	NC	I/O	NC
39	P47/FIP39	NC	O	NC
40	P46/FIP38	NC	O	NC
41	FIP37/P45	POWER ON LED	I/O	POWER LED output
42	FIP36/P44	S24	O	Display
43	FIP35/P43	S23	O	Display
44	FIP34/P42	S22	O	Display
45	FIP33/P41	S21	O	Display
46	FIP32/P40	S20	O	Display
47	FIP31/P37	S19	O	Display
48	FIP30/P36	S18	O	Display
49	FIP29/P35	S17	O	Display
50	FIP28/P34	S16	O	Display

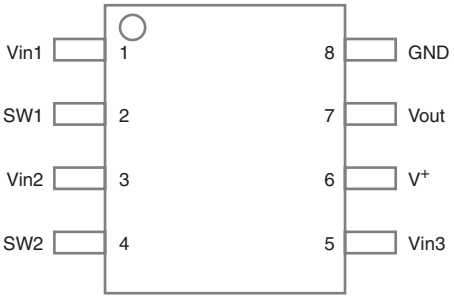
• **Pin Function**

No.	Port	Pin Name	I/O	Pin Function
51	FIP27/P33	S15	O	Display
52	FIP26/P32	S14	O	Display
53	FIP25/P31	S13	O	Display
54	FIP24/P30	S12	O	Display
55	FIP23	S11	O	Display
56	FIP22	S10	O	Display
57	FIP21	S9	O	Display
58	FIP20	S8	O	Display
59	VDD2	+5V	-	positive power supply to FIP controller.
60	VLOAD	VF	-	pull down resistor connection of FIP controller
61	FIP19	S7	O	Display
62	FIP18	S6	O	Display
63	FIP17	S5	O	Display
64	FIP16	S4	O	Display
65	FIP15	S3	O	Display
66	FIP14	S2	O	Display
67	FIP13	S1	O	Display
68	FIP12	G13	O	Display
69	FIP11	G12	O	Display
70	FIP10	G11	O	Display
71	FIP9	G10	O	Display
72	FIP8	G9	O	Display
73	FIP7	G8	O	Display
74	FIP6	G7	O	Display
75	FIP5	G6	O	Display
76	FIP4	G5	O	Display
77	FIP3	G4	O	Display
78	FIP2	G3	O	Display
79	FIP1	G2	O	Display
80	FIP0	G1	O	Display

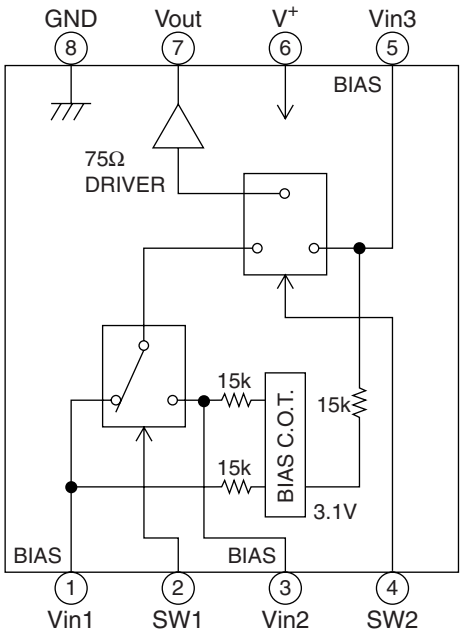
■ NJM2243M (VIDEO ASSY : IC303) (S. VIDEO ASSY : IC1102, IC1103)

• 3-INPUT VIDEO SWITCH WITH 75Ω DRIVER

● Pin Configuration (Top view)



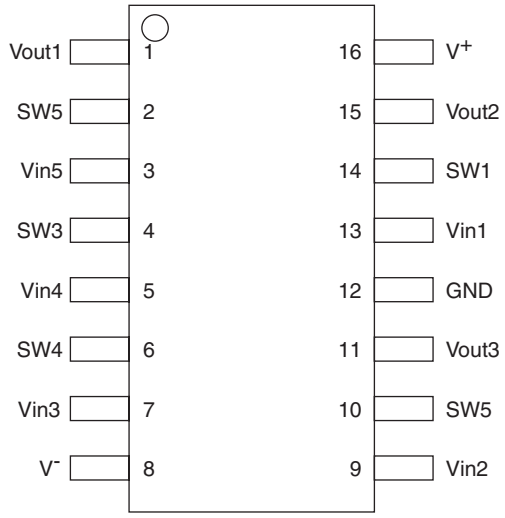
● Block Diagram



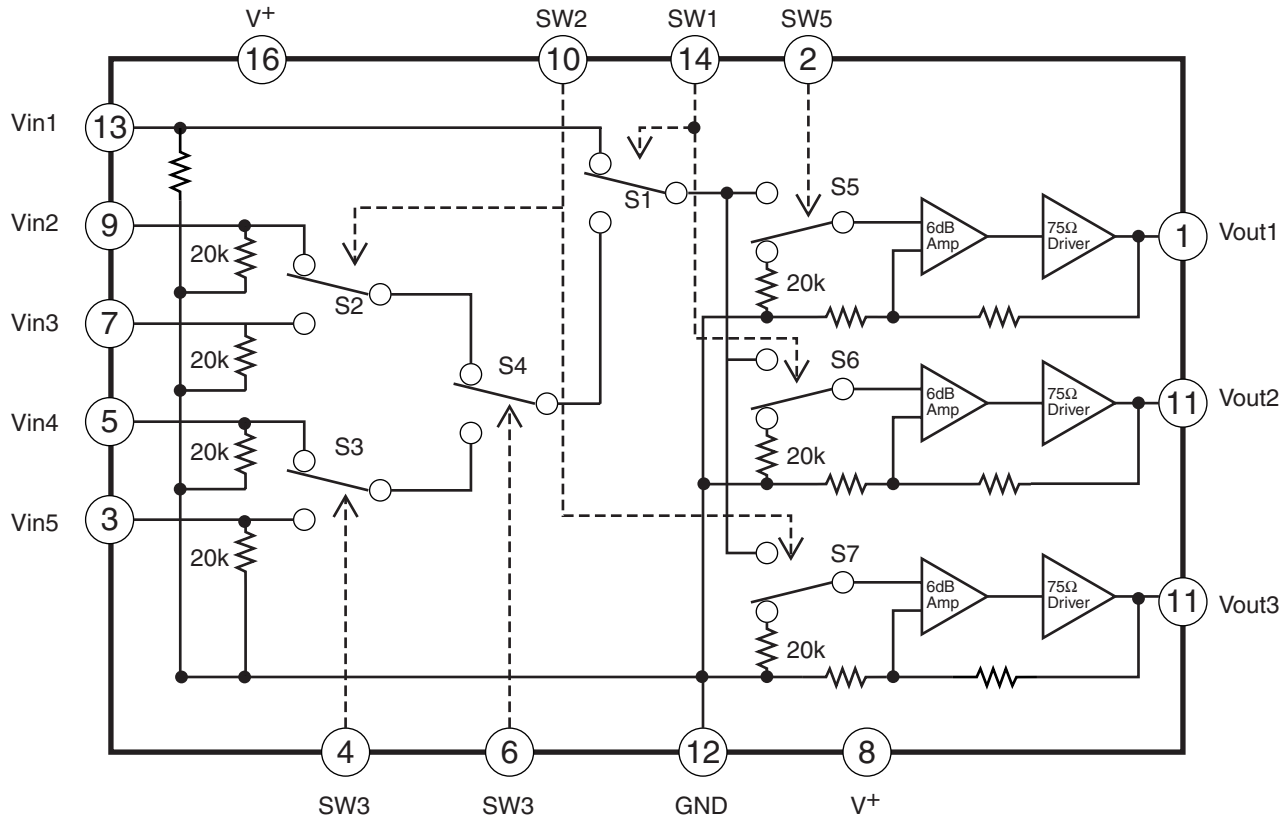
■ NJM2595M (VIDEO ASSY : IC301) (S. VIDEO ASSY : IC351, IC352)

• 5-INPUT 3-OUTPUT VIDEO SWITCH

● Pin Configuration (Top view)



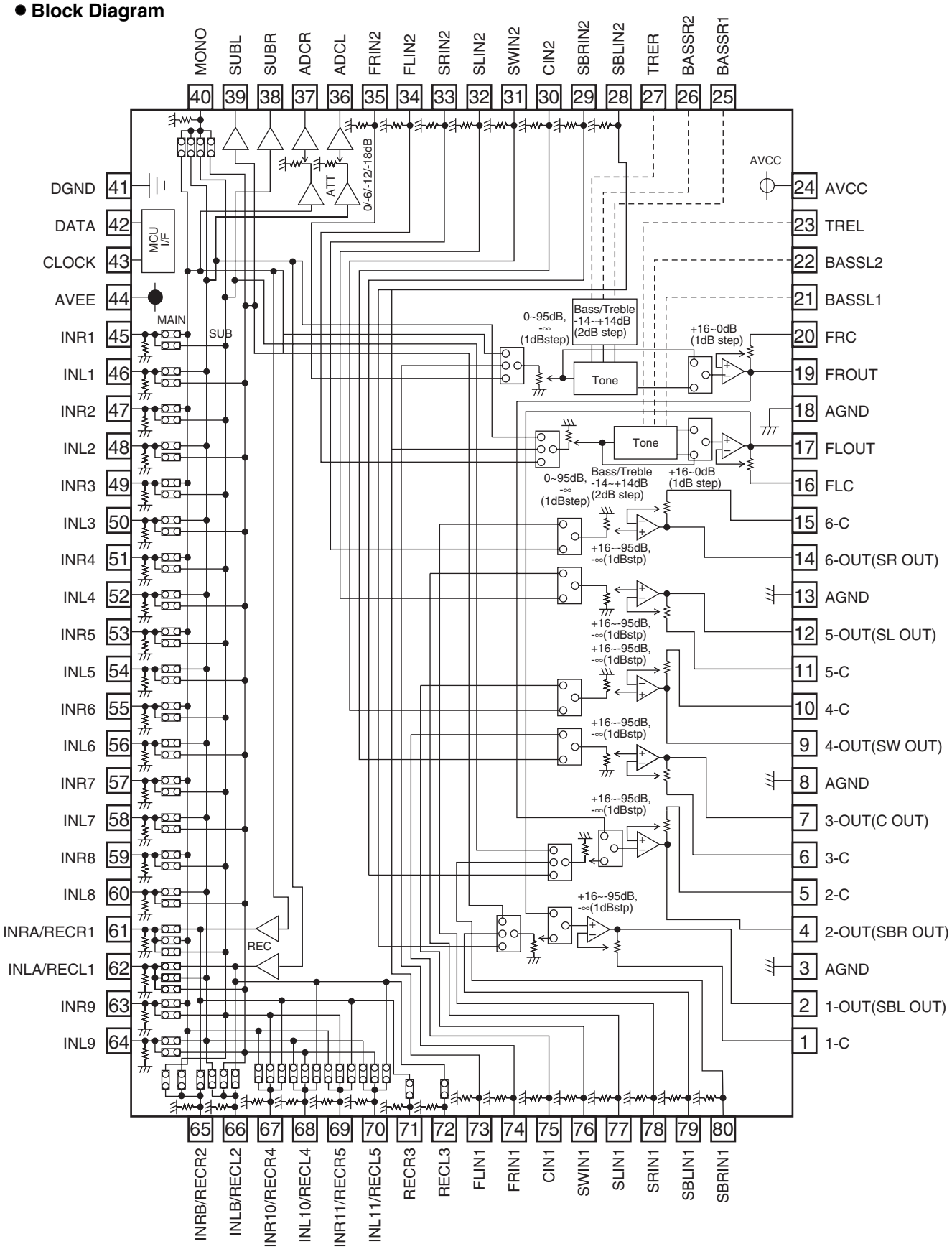
● Block Diagram



■ R2S15205FP (MAIN ASSY : IC108)

• 8ch electronic volume with 11 input selectors and tone control

● Block Diagram



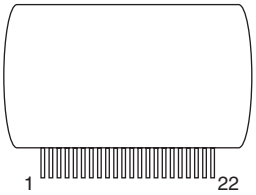
● **Pin Function**

PIN No.	Name	Function
19,17, 14,12, 9,7, 4,2	FROUT,FLOUT, 6-OUT,5-OUT, 4-OUT,3-OUT, 2-OUT,1-OUT	Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel
20,16, 15,11, 10,6, 5,1	FRC,FLC, 6-C,5-C, 4-C,3-C, 2-C,1-C	Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/SBR channel volume
3,8, 13,18	AGND	Analog ground of internal circuit
23,27	TREL,TRER	Frequency characteristic setting pin of L/R channel tone control(Treble)
21,22, 25,26	BASSL1,BASSL2, BASSR1,BASSR2,	Frequency characteristic setting pin of L/R channel tone control(Bass)
24	AVCC	Positive power supply to internal circuit
35,34, 33,32, 31,30, 29,28	FRIN2,FLIN2, SRN2,SLIN2, SWN2,CIN2, SBRIN2,SBLIN2,	Input pin of L/R/C/SW/SL/SR/SBL/SBR channel(Multi IN 1/2)
73,74, 75,76, 77,78, 79,80	FLIN1,FRIN1, CIN1,SWIN1, SLIN1SRIN1, SBLIN1,SBRIN1	
41	DGND	Digital ground of internal circuit
42	DATA	Input pin of control data
43	CLOCK	Input pin of control clock
44	AVEE	Negative power supply to internal circuit
46,48,50, 52,54,56, 58,60,64	INL1,INL2,INL3, INL4,INL5,INL6, INL7,INL8,INL9	Input pin of L/R channel(Input Selector)
45,47,49, 51,53,55, 57,59,63	INR1,INR2,INR3, INR4,INR5,INR6, INR7,INR8,INR9	
40	MONO	Input pin of monaural(Input Selector)
38,39	SUBL,SUBR	Output pin for L/R channel SUB Output
36,37	ADCL,ADCR	Output pin for L/R channel ADC
72	RECL3	Output pin for L/R channel REC Output
71	RECR3	
61,62, 65,66, 67,68, 69,70	INRA/RECR1,INLA/RECL1, INRB/RECR2,INLB/RECL2, INR10/RECR4,INL10/RECL4, INR11/RECR5,INL11/RECL5,	Input pin of L/R channel(Input Selector)/ Output pin for L/R channel REC Output

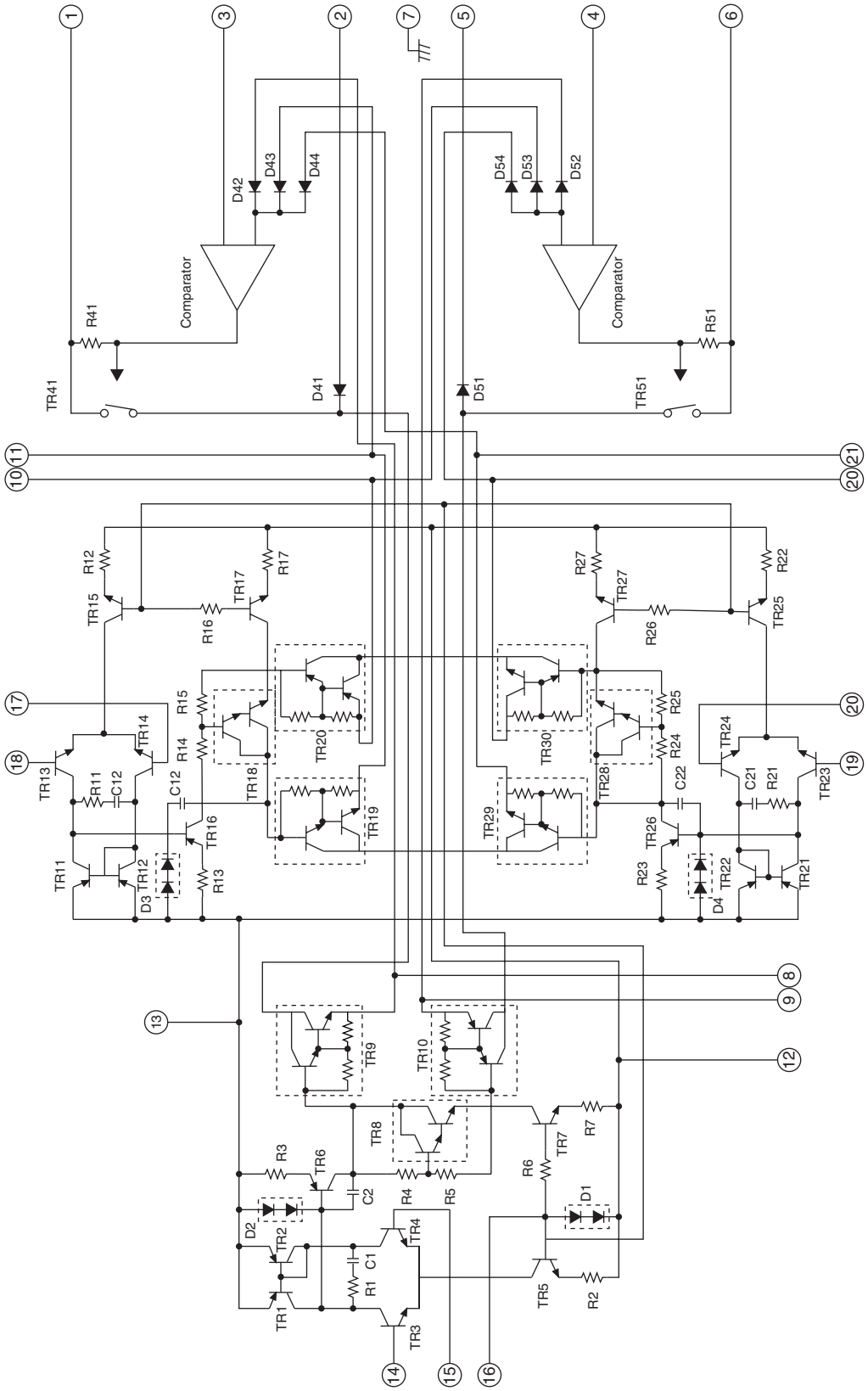
■ STK413-230C (POWER PACK ASSY : IC603)

• 3-channel high efficiency AF power amplifier

● **Pin Configuration**



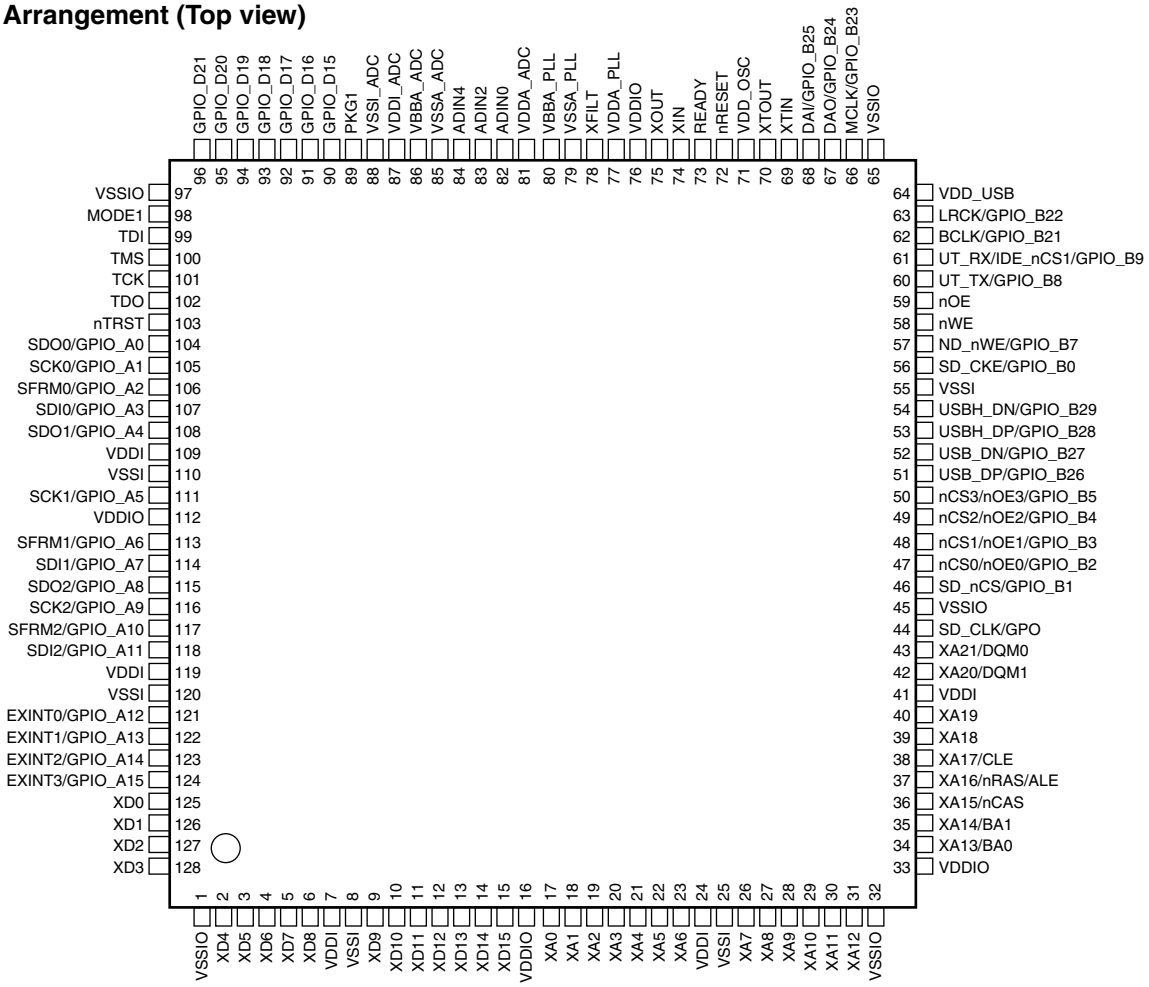
● **Block Diagram**



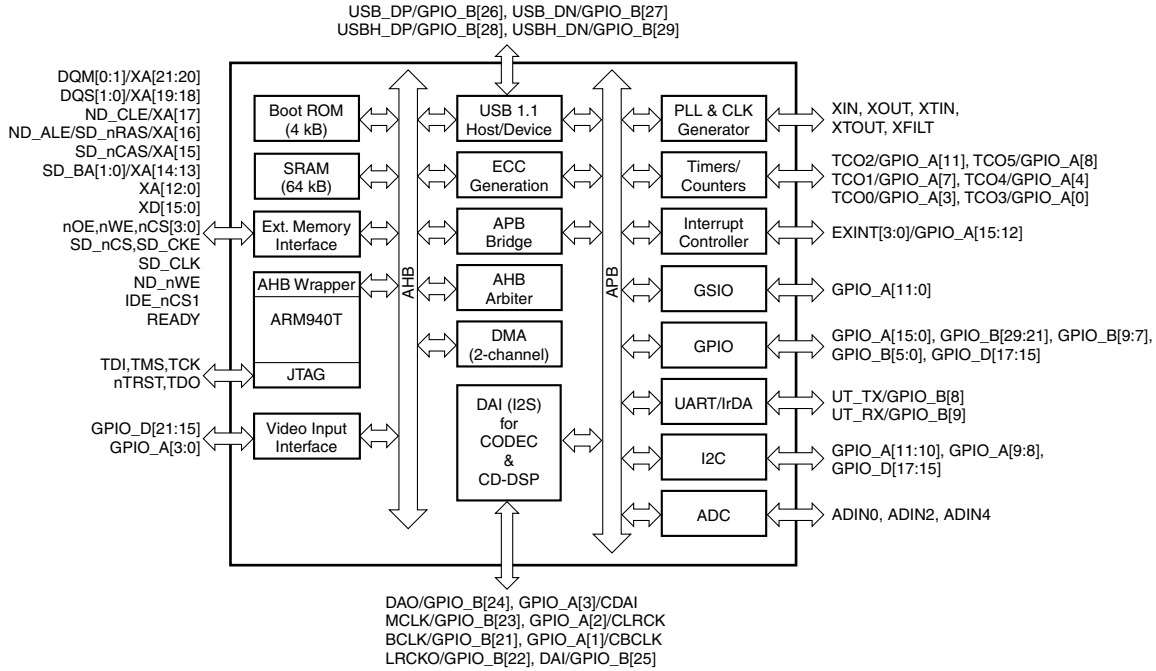
■ TCC760HC01-AG (USB ASSY : IC701)

• USB Media Control IC

● Pin Arrangement (Top view)



● Block Diagram



● **Pin Functions**

No.	Pin Name	I/O	Pin Function
1	VSSIO	–	Digital ground for I/O
2	XD4	I/O	External bus data bit [4]
3	XD5	I/O	External bus data bit [5]
4	XD6	I/O	External bus data bit [6]
5	XD7	I/O	External bus data bit [7]
6	XD8	I/O	External bus data bit [8]
7	VDDI	–	Digital power supply for internal core (1.8 V)
8	VSSI	–	Digital ground for internal
9	XD9	I/O	External bus data bit [9]
10	XD10	I/O	External bus data bit [10]
11	XD11	I/O	External bus data bit [11]
12	XD12	I/O	External bus data bit [12]
13	XD13	I/O	External bus data bit [13]
14	XD14	I/O	External bus data bit [14]
15	XD15	I/O	External bus data bit [15]
16	VDDIO	–	Digital power supply for I/O (1.8 V to 3.3 V)
17	XA0	I/O	External bus address bit [0]
18	XA1	I/O	External bus address bit [1]
19	XA2	I/O	External bus address bit [2]
20	XA3	I/O	External bus address bit [3]
21	XA4	I/O	External bus address bit [4]
22	XA5	I/O	External bus address bit [5]
23	XA6	I/O	External bus address bit [6]
24	VDDI	–	Digital power supply for internal core (1.8 V)
25	VSSI	–	Digital ground for internal
26	XA7	I/O	External bus address bit [7]
27	XA8	I/O	External bus address bit [8]
28	XA9	I/O	External bus address bit [9]
29	XA10	I/O	External bus address bit [10]
30	XA11	I/O	External bus address bit [11]
31	XA12	I/O	External bus address bit [12]
32	VSSIO	–	Digital ground for I/O
33	VDDIO	–	Digital power supply for I/O (1.8 V to 3.3 V)
34	XA13/BA0	I/O	External bus address bit [13] / SDRAM bank address 0
35	XA14/BA1	I/O	External bus address bit [14] / SDRAM bank address 1
36	XA15/nCAS	I/O	External bus address bit [15] / SDRAM CAS signal
37	XA16/nRAS/ALE	I/O	External bus address bit [16] / SDRAM RAS signal / ALE for NAND flash
38	XA17/CLE	I/O	External bus address bit [17] / CLE for NAND flash
39	XA18	I/O	External bus address bit [18]
40	XA19	I/O	External bus address bit [19]
41	VDDI	–	Digital power supply for internal core (1.8 V)
42	XA20/DQM1	I/O	External bus address bit [20] / Data I/O mask 1
43	XA21/DQM0	I/O	External bus address bit [21] / Data I/O mask 0
44	SD_CLK/GPO	I/O	SDRAM clock / GPO, SD_CLK can be used as a general purpose output.
45	VSSIO	–	Digital ground for I/O
46	SD_nCS/GPIO_B1	I/O	Chip select signal for SDRAM, active low / GPIO_B[1]
47	nCS0/nOE0/GPIO_B2	I/O	External bus chip select [0] / NAND flash output enable [0] / GPIO_B[2]
48	nCS1/nOE1/GPIO_B3	I/O	External bus chip select [1] / NAND flash output enable [1] / GPIO_B[3]
49	nCS2/nOE2/GPIO_B4	I/O	External bus chip select [2] / NAND flash output enable [2] / GPIO_B[4]
50	nCS3/nOE3/GPIO_B5	I/O	External bus chip select [3] / NAND flash output enable [3] / GPIO_B[5]

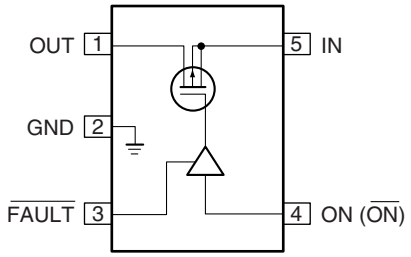
No.	Pin Name	I/O	Pin Function
51	USB_DP/GPIO_B26	I/O	USB function D+ signal / GPIO_B[26]
52	USB_DN/GPIO_B27	I/O	USB function D- signal / GPIO_B[27]
53	USBH_DP/GPIO_B28	I/O	USB host D+ signal / GPIO_B[28]
54	USBH_DN/GPIO_B29	I/O	USB host D- signal / GPIO_B[29]
55	VSSI	–	Digital ground for internal
56	SD_CKE/GPIO_B0	I/O	SDRAM clock enable signal, active high / GPIO_B[0]
57	ND_nWE/GPIO_B7	I/O	NAND flash WE, active low / GPIO_B[7]
58	nWE	I/O	Static memory write enable signal, active low
59	nOE	I/O	Static memory output enable signal, active low
60	UT_TX/GPIO_B8	I/O	UART or IrDA TX data / GPIO_B[8]
61	UT_RX/IDE_nCS1/GPIO_B9	I/O	UART or IrDA RX data / IDE chip select 1 / GPIO_B[9]
62	BCLK/GPIO_B21	I/O	I2S bit clock / GPIO_B[21]
63	LRCK/GPIO_B22	I/O	I2S word clock / GPIO_B[22]
64	VDD_USB	–	Power supply for USB I/O (3.3 V)
65	VSSIO	–	Digital ground for I/O
66	MCLK/GPIO_B23	I/O	I2S system clock / GPIO_B[23]
67	DAO/GPIO_B24	I/O	I2S digital audio data output / GPIO_B[24]
68	DAI/GPIO_B25	I/O	I2S digital audio data input / GPIO_B[25]
69	XTIN	I	Sub crystal oscillator input (32.768 kHz)
70	XTOUT	O	Sub crystal oscillator output (32.768 kHz)
71	VDD_OSC	–	Digital power supply for oscillators (1.8 V)
72	nRESET	I	System reset, active low
73	READY	I	Ready information from external device
74	XIN	I	Main crystal oscillator input for PLL (12 MHz)
75	XOUT	O	Main crystal oscillator output for PLL (12 MHz)
76	VDDIO	–	Digital power supply for I/O (1.8 V to 3.3 V)
77	VDDA_PLL	–	Analog and digital power supply for PLL (1.8 V)
78	XFILT	AO	PLL filter output
79	VSSA_PLL	–	Analog ground for PLL
80	VBBA_PLL	–	Analog ground for PLL
81	VDDA_ADC	–	Analog power supply for ADC (3.3 V)
82	ADIN0	AI	General purpose multi-channel ADC input 0
83	ADIN2	AI	General purpose multi-channel ADC input 2
84	ADIN4	AI	General purpose multi-channel ADC input 4
85	VSSA_ADC	–	Analog ground for ADC
86	VBBA_ADC	–	Analog ground for ADC
87	VDDI_ADC	–	Digital power supply for ADC (1.8 V)
88	VSSI_ADC	–	Digital ground for ADC
89	PKG1	I	Package ID 1, pull-up for normal operation
90	GPIO_D15	I/O	GPIO_D[15]
91	GPIO_D16	I/O	GPIO_D[16]
92	GPIO_D17	I/O	GPIO_D[17]
93	GPIO_D18	I/O	GPIO_D[18]
94	GPIO_D19	I/O	GPIO_D[19]
95	GPIO_D20	I/O	GPIO_D[20]
96	GPIO_D21	I/O	GPIO_D[21]
97	VSSIO	–	Digital ground for I/O
98	MODE1	I	Mode select input 1, Pull-down for normal operation.
99	TDI	I	JTAG serial data input for ARM940T
100	TMS	I	JTAG test mode select for ARM940T

No.	Pin Name	I/O	Pin Function
101	TCK	I	JTAG test clock for ARM940T
102	TDO	I/O	JTAG serial data output for ARM940T
103	nTRST	I	JTAG reset signal for ARM940T, active low
104	SDO0/GPIO_A0	I/O	Serial data output 0 / GPIO_A[0]
105	SCK0/GPIO_A1	I/O	Serial clock input 0 / GPIO_A[1]
106	SFRM0/GPIO_A2	I/O	Serial frame 0 / GPIO_A[2]
107	SDI0/GPIO_A3	I/O	Serial data input 0 / GPIO_A[3]
108	SDO1/GPIO_A4	I/O	Serial data output 1 / GPIO_A[4]
109	VDDI	–	Digital power supply for internal core (1.8 V)
110	VSSI	–	Digital ground for internal
111	SCK1/GPIO_A5	I/O	Serial clock input 1 / GPIO_A[5]
112	VDDIO	–	Digital power supply for I/O (1.8 V to 3.3 V)
113	SFRM1/GPIO_A6	I/O	Serial frame 1 / GPIO_A[6]
114	SDI1/GPIO_A7	I/O	Serial data input 1 / GPIO_A[7]
115	SDO2/GPIO_A8	I/O	Serial data output 2 / GPIO_A[8]
116	SCK2/GPIO_A9	I/O	Serial clock input 2 / GPIO_A[9]
117	SFRM2/GPIO_A10	I/O	Serial frame 2 / GPIO_A[10]
118	SDI2/GPIO_A11	I/O	Serial data input 2 / GPIO_A[11]
119	VDDI	–	Digital power supply for internal core (1.8 V)
120	VSSI	–	Digital ground for internal
121	EXINT0/GPIO_A12	I/O	External interrupt request [0] / GPIO_A[12]
122	EXINT1/GPIO_A13	I/O	External interrupt request [1] / GPIO_A[13]
123	EXINT2/GPIO_A14	I/O	External interrupt request [2] / GPIO_A[14]
124	EXINT3/GPIO_A15	I/O	External interrupt request [3] / GPIO_A[15]
125	XD0	I/O	External bus data bit [0]
126	XD1	I/O	External bus data bit [1]
127	XD2	I/O	External bus data bit [2]
128	XD3	I/O	External bus data bit [3]

■ AAT4618IGV-0.5-1 (USB ASSY : IC771)

• Load Switching IC

● Pin Arrangement (Top view)



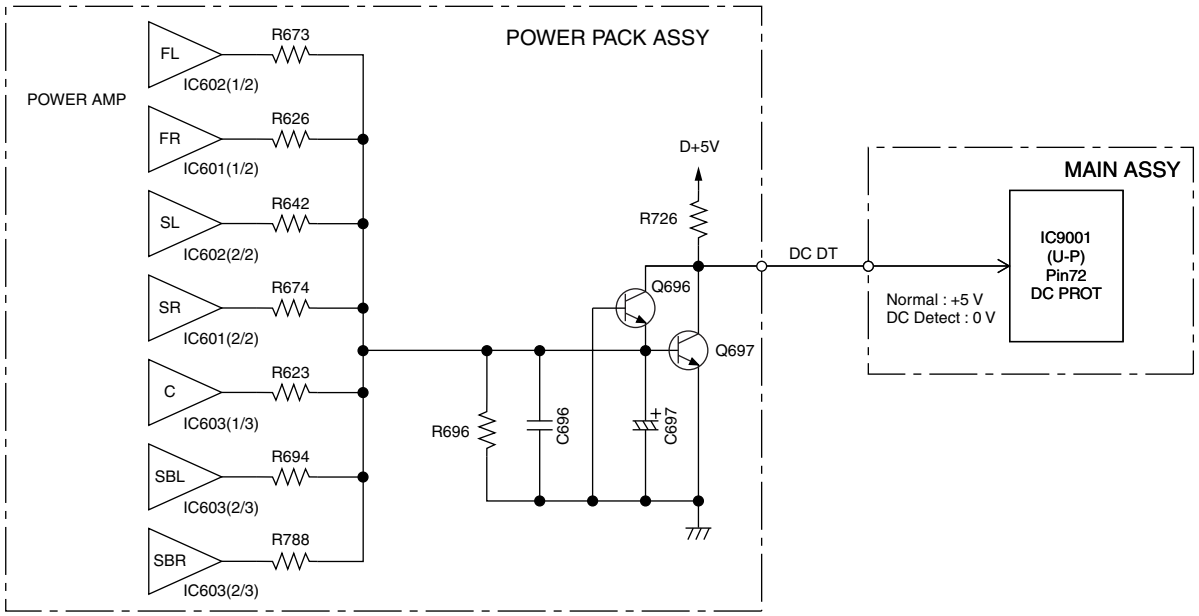
● Pin Function

No.	Pin Name	I/O	Pin Function
1	OUT	O	P-channel MOS FET drain
2	GND	–	Ground
3	$\overline{\text{FAULT}}$	O	Open-drain $\overline{\text{FAULT}}$ output
4	ON ($\overline{\text{ON}}$)	I	Enable input: 4618 active low, 4618- active high
5	IN	I	P-channel MOS FET source

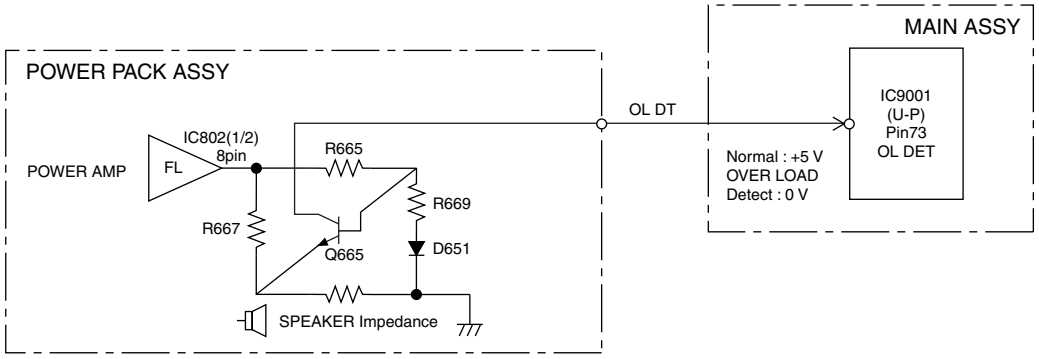
7.3 EXPLANATION

7.3.1 DETECTION CIRCUIT

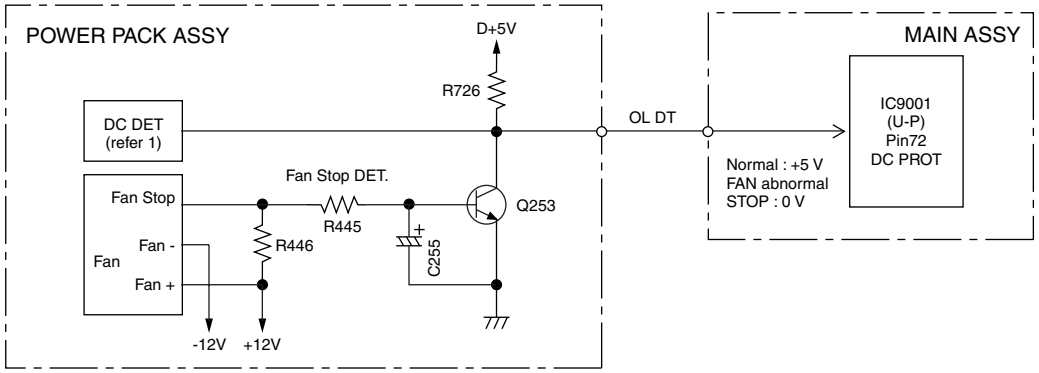
1. DC Derection Circuit Diagram : Example of VSX-816/KUXJ/CA



2. Overload Detection Circuit Diagram: Example of VSX-816/KUXJ/CA FRONT Channel



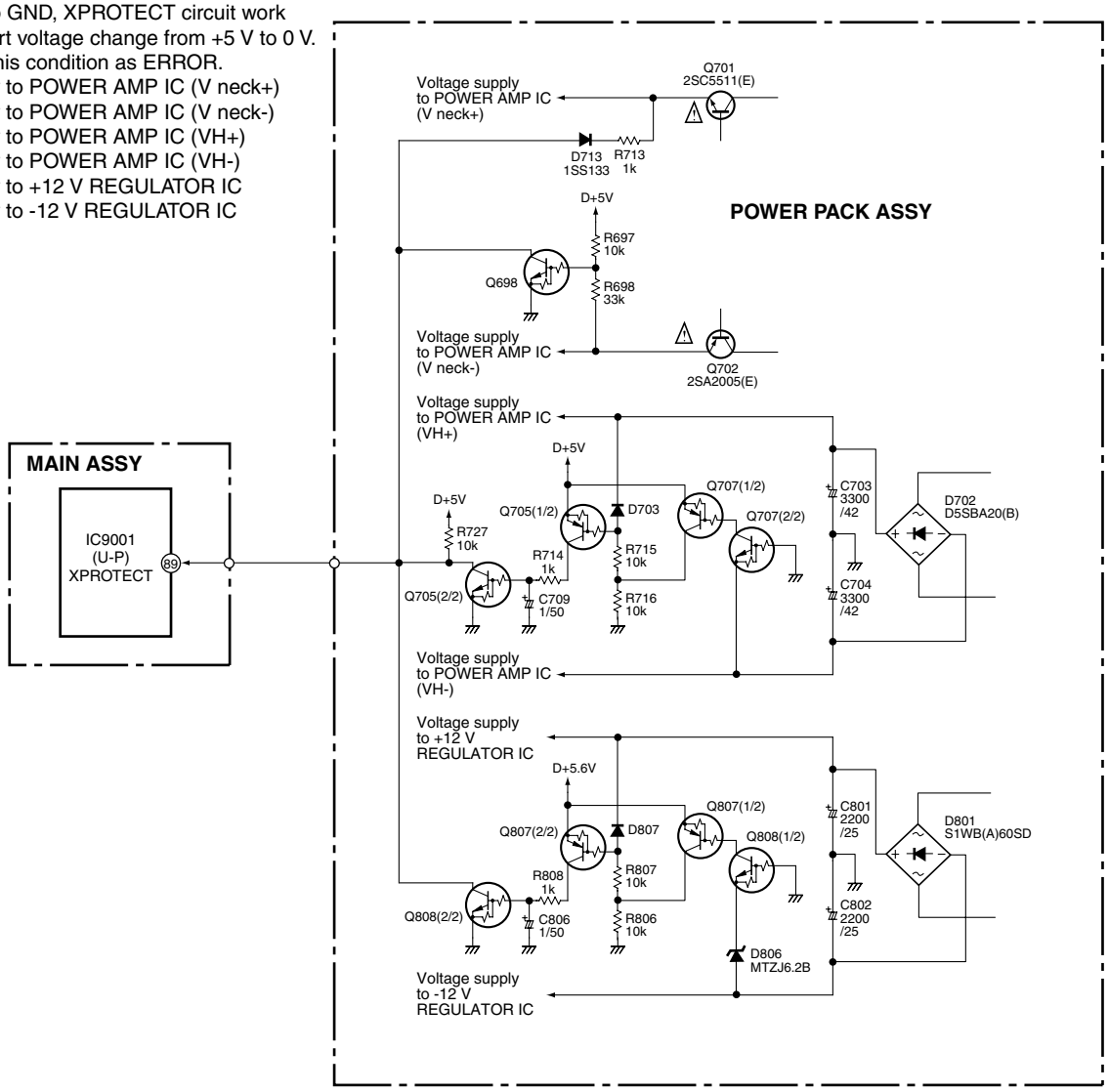
3. Fan Stop Prottection Circuit Diagram



4. XPROTECT Detection Circuit Diagram

When below 6 kind of voltage supply become to be short circuit to GND, XPROTECT circuit work and U-P input port voltage change from +5 V to 0 V. The U-P detect this condition as ERROR.

- Voltage supply to POWER AMP IC (V neck+)
- Voltage supply to POWER AMP IC (V neck-)
- Voltage supply to POWER AMP IC (VH+)
- Voltage supply to POWER AMP IC (VH-)
- Voltage supply to +12 V REGULATOR IC
- Voltage supply to -12 V REGULATOR IC



7.3.2 AMPLIFIER SYSTEM PROTECTION OPERATION SPECIFICATION

1. DC-abnormality detection

DC detection is only enabled 2 seconds after power-on.
If there is a fault in the power amplifier or a high-level signal lower than 5 Hz is input, the DC_DET port becomes “L”.
If the “L” is detected, the microprocessor will perform as following flow chart.

In the case of simultaneous detection with the overload protection circuit, DC-abnormality detection is performed preferentially to overload detection.

When a DC abnormality is detected, A.MUTE* is turned on, speaker relay is turned off, then "AMP_ERR" flashes on the display.

*A.MUTE : Audio mute command

↓

The abnormality continues for 3 seconds.

↓ Continues.

The power is shut off.

↓

Power key not effective and POWER LED blinks.

↓ Recovery

The program restarts.

However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.
① TESTMODE ON (A55F+A55F)
② When power off, push FRONT ENTER key + ADVANCED SURROUND key continuously 2sec.
(②: When a DC abnormality is detected and the power is shut off.)
Any other key input from front panel or remote control will not be detected.

2. Overload detection

If the speaker terminals are short-circuited or low-load driving is detected, the OL_DET port becomes “L”.
If the “L” is detected, the microprocessor will perform as following flow chart.

When an overload is detected, A.MUTE* is turned on, speaker relay is turned off, then "OVERLOAD" flashes on the display.

↓

The abnormality continues for 3 seconds.

↓ Continues.

The power is shut off.

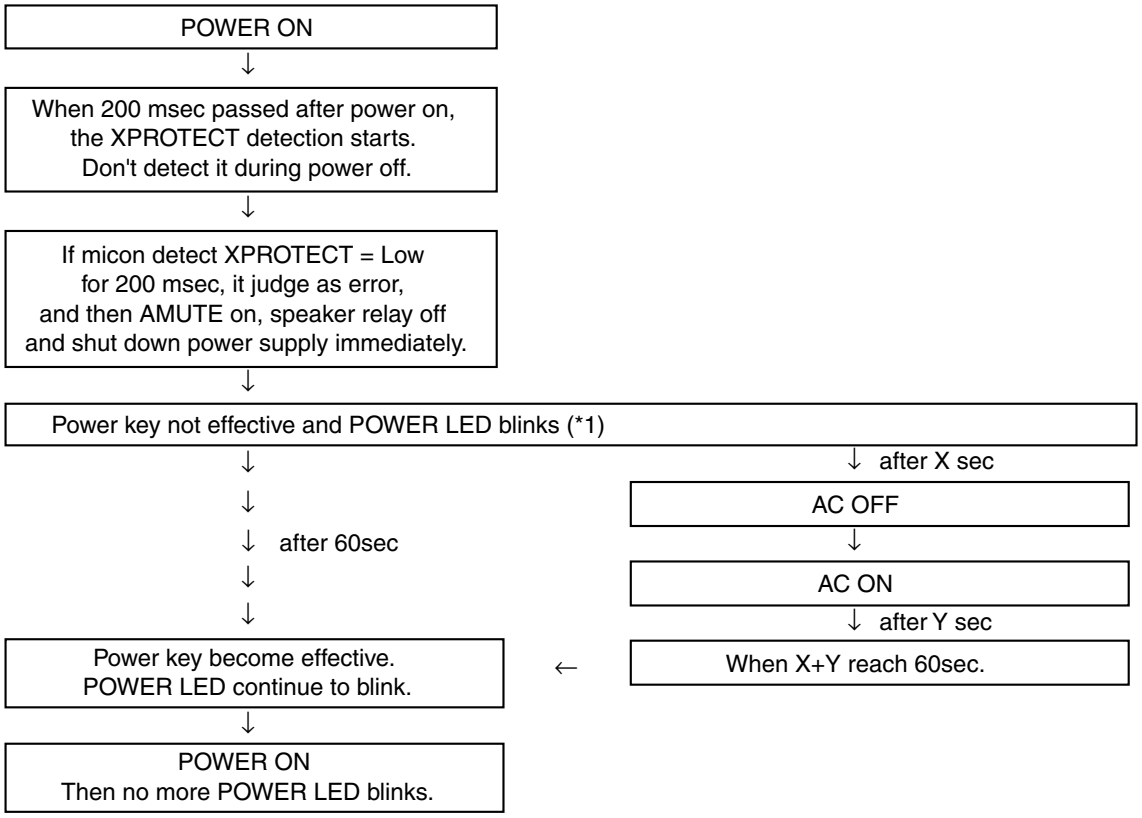
↓ Recovery

The power is shut off even if the unit recovers.

3. XPROTECT detection

XPROTECT is started to be monitored 200msec after power on.
XPROTECT port is checked every 20msec.
If Low level (ERROR) is recognized during consecutive 9 times, micon judge it as XPROTECT ERROR.

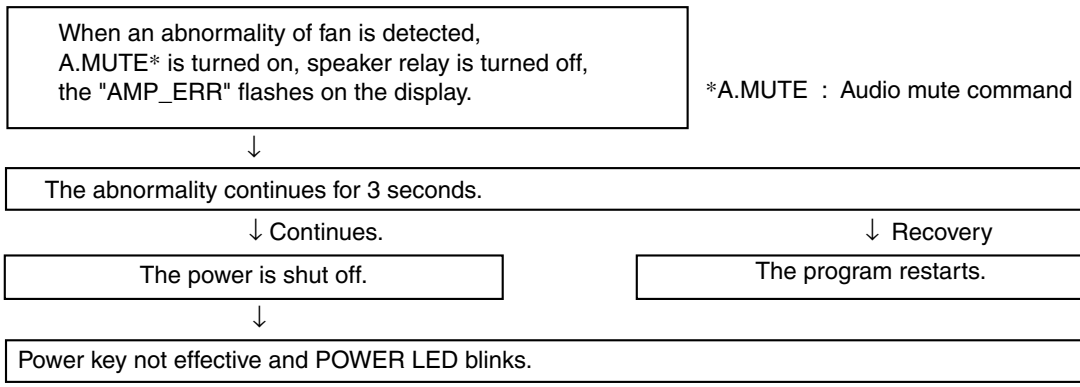
It processes more preferentially than DC abnormal detection and overload detection.


POWER ON
When 200 msec passed after power on, the XPROTECT detection starts. Don't detect it during power off.
If micon detect XPROTECT = Low for 200 msec, it judge as error, and then AMUTE on, speaker relay off and shut down power supply immediately.
Power key not effective and POWER LED blinks (*1)
after 60sec
after X sec
AC OFF
AC ON
after Y sec
When X+Y reach 60sec.
Power key become effective. POWER LED continue to blink.
POWER ON Then no more POWER LED blinks.

(*1) However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.
① TESTMODE ON (A55F+A55F)
② When power off, push FRONT ENTER key + ADVANCED SURROUND key continuously 2sec. (Effective, only when power-off is carried out by DC detection / XPROTECT detection)
Any other key input from front panel or remote control will not be detected.

4. Fan stop detection operation flow in the DC abnormality detection

If the fan is forcibly stopped, the 'DC PROT' port becomes "L". Then an abnormality of fan is detected.


When an abnormality of fan is detected, A.MUTE* is turned on, speaker relay is turned off, the "AMP_ERR" flashes on the display.
*A.MUTE : Audio mute command
The abnormality continues for 3 seconds.
Continues.
Recovery
The power is shut off.
The program restarts.
Power key not effective and POWER LED blinks.

However, when the following keys are pushed so that the key input of a line and the service can be carried out, power can be on.
① TESTMODE ON (A55F+A55F)
② When power off, push FRONT ENTER key + ADVANCED SURROUND key continuously 2sec. (Effective, only when power-off is carried out by DC detection)

7.3.3 AMPLIFIER FAILURE DIAGNOSIS FLOW CHART

■ Amplifier failure diagnosis flow chart

When DC detection is activated ("AMP_ERR" flashes on the display), failure (damage) of the power amplifier section is considered.
As DC detection and fan stop protection circuits commonly use same abnormality detection port in microprocessor, please make sure that the operation of fan motor is in normal condition before proceeding to the troubleshooting of amplifier.

Caution:
When releasing the lock state of power key before repair, please be careful because there is the possibility that more damages will occur when turning on the power once again!

• According to a symptom, perform the following confirmation beforehand.

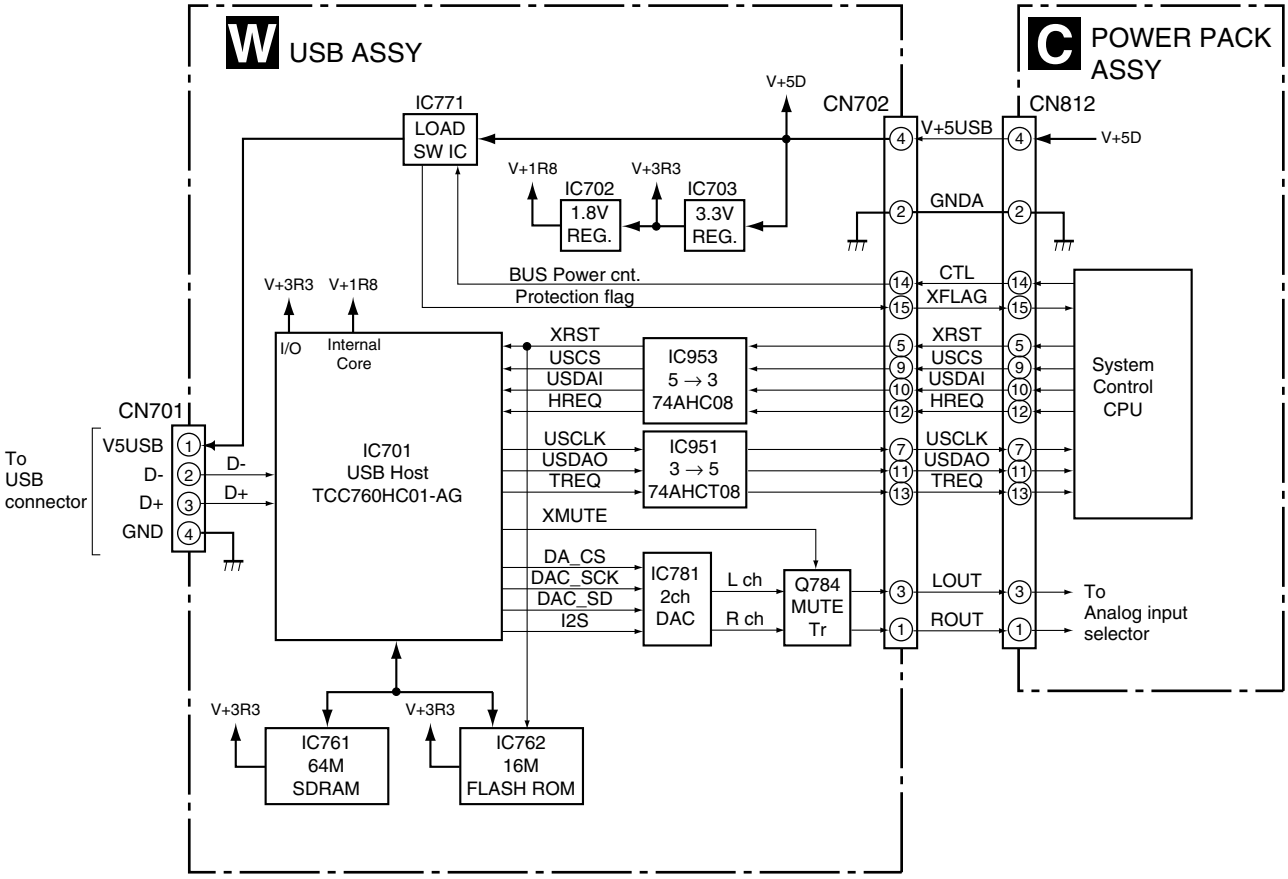
1) Is the operation of fan motor in normal condition?
↓
2) Are there any Fuses and IC protectors open?
↓
3) After turn on the power, confirm that the supply voltage of the point that can be measured is appropriate. (Particularly the supply voltage of the power Tr and drive step)
↓
4) Whether the voltage of pin3 of IC600, IC601, IC602 or IC603 is equal to (VL-0.7V). If not (eg, equal to VH), then change the corresponding power pack IC600, IC601, IC602 or IC603.
↓
5) Furthermore, check the output DC voltage of each channel of power pack IC600, IC601, IC602 and IC603 to limit the failure channel and identify the defect power pack.

↓

• After identify the failure channel, check that each part is not damaged (resistor, diode... etc. value / open / short)

7.3.4 USB Module

7.3.4.1 Block Diagram



Main parts	Purpose
TCC760HC01-AG	: USB Host control decoder (MP3/WMA/MPEG-4AAC)
16M FLASH ROM	: Firmware is stored
64M SDRAM	: Temporary storage area of decoding music file
LOAD SWITCH	: Current limitation to USB device power
2ch DAC	: D/A converter for analog output

7.3.4.2 Error Display

■ Description of Error Indications

FL Display	Error Content	Possible causes and actions to be taken
USB ERROR1 USB ERR1	Detection of overcurrent to a USB device	Overcurrent (500 mA or more) is consumed at the connected USB device. • Some USB devices, such as a portable HDD, need more current than that this unit supplies. (Use the AC adaptor for the connected USB device.) • The USB power is short-circuited.
USB ERROR2 USB ERR2	Detection of a medium not supported	A USB device that this unit does not support (other than the MSC Class) is connected (such as a mouse, printer, or digital camera). • Connect a mass storage class USB device.
USB ERROR3 USB ERR3	Communication error with the system microcomputer	Communication between TCC760HC01-AG (IC701) and PDC**** (IC****) failed. • Defective connection (connectors) inside this unit • See STEP 3 of Troubleshooting.

■ Operations when overcurrent to a USB device is detected

(1) Overcurrent to a USB device is detected at the port for the microcomputer.

(2) The power supply to the USB device is stopped.

(3) Control of 5 V power is disabled at the port for the microcomputer.

(4) Change of indications on the FL display

V3 Low usage — Flashes for 2 sec. — U S B E R R 1 — In a case of an 8-digit FL display

⇩ Lights up after flashing for 2 sec.

U S B E R R 1 — In a case of an 8-digit FL display

(5) To supply power to the USB module again:

- Turn the power to the unit off then back on.
- Set the function setting to anything other than USB then back to USB.
- Press the USB play key on the remote control unit.

(6) After overcurrent is detected, if the USB play key is pressed while the error indication is displayed, power supply to the USB module is restored. If overcurrent is no longer detected, the indications shown below are displayed (normal indication):

U S B — In a case of an 8-digit FL display

In this state, flashing of "USB ERROR1" stops, but playback will not start. To start playback, press the USB play key again.

In the above case, if overcurrent is detected again, the above procedures 1 through 4 are repeated.

■ In a case where a medium not supported is connected

(1) Change of indications on the FL displays

Flashes for 2 sec.
U S B E R R 2 — In a case of an 8-digit FL display

⇩ Lights up after flashing for 2 sec.

U S B E R R 2 — In a case of an 8-digit FL display

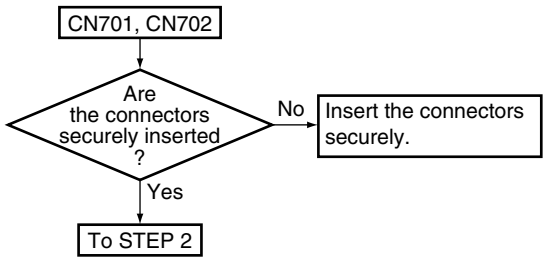
If overcurrent is detected before detection of a non-supported medium, the error indication "USB ERROR1" remains, as the power supply to the USB module is stopped.

On supported media

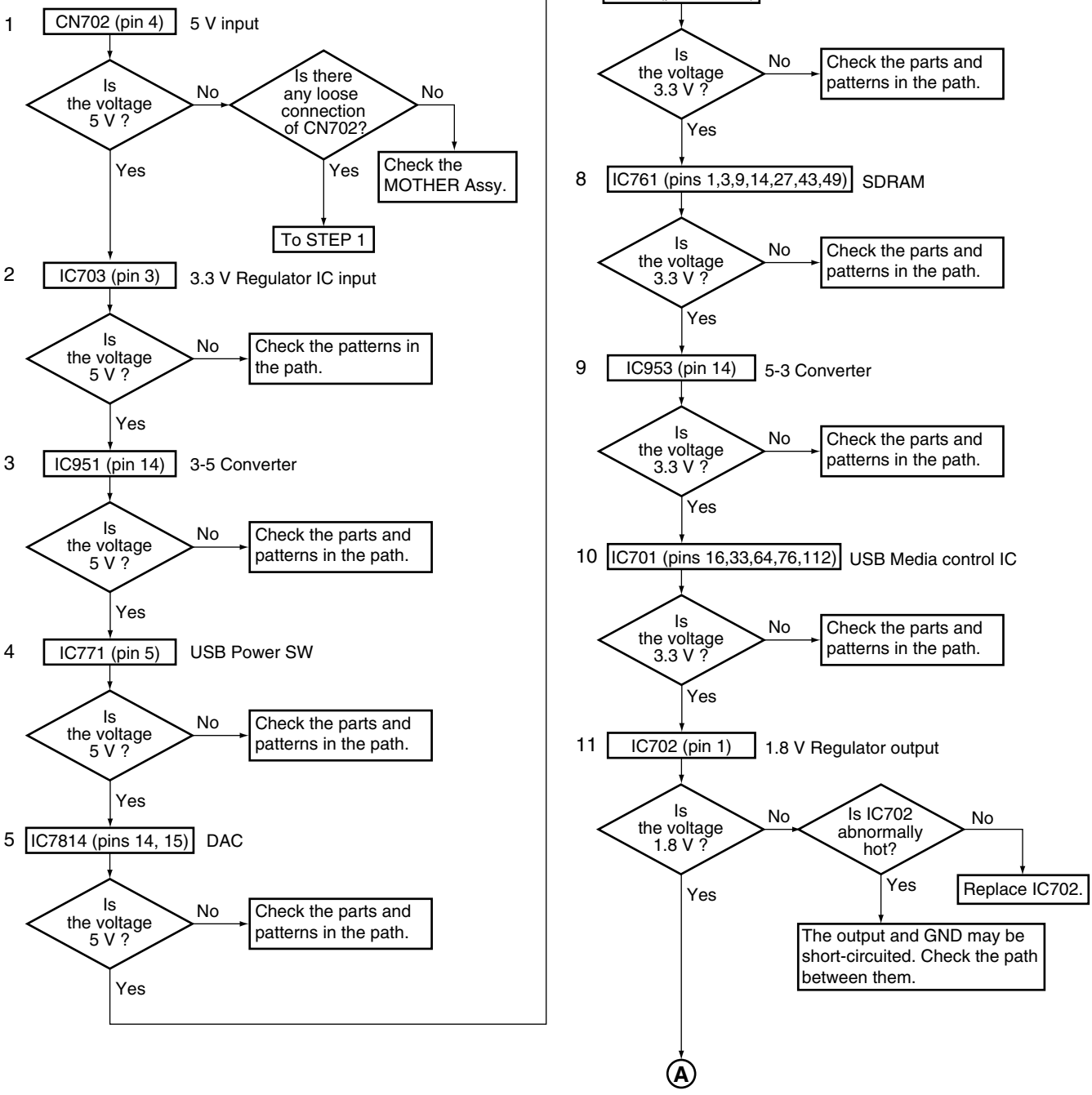
The formats of supported media that can be played back on this unit are MP3, WMA, and AAC.
Some media in MPEG4 can also be played back. As AAC derives from MPEG4 codec, playback of media in AAC codec of MPEG4 is possible.

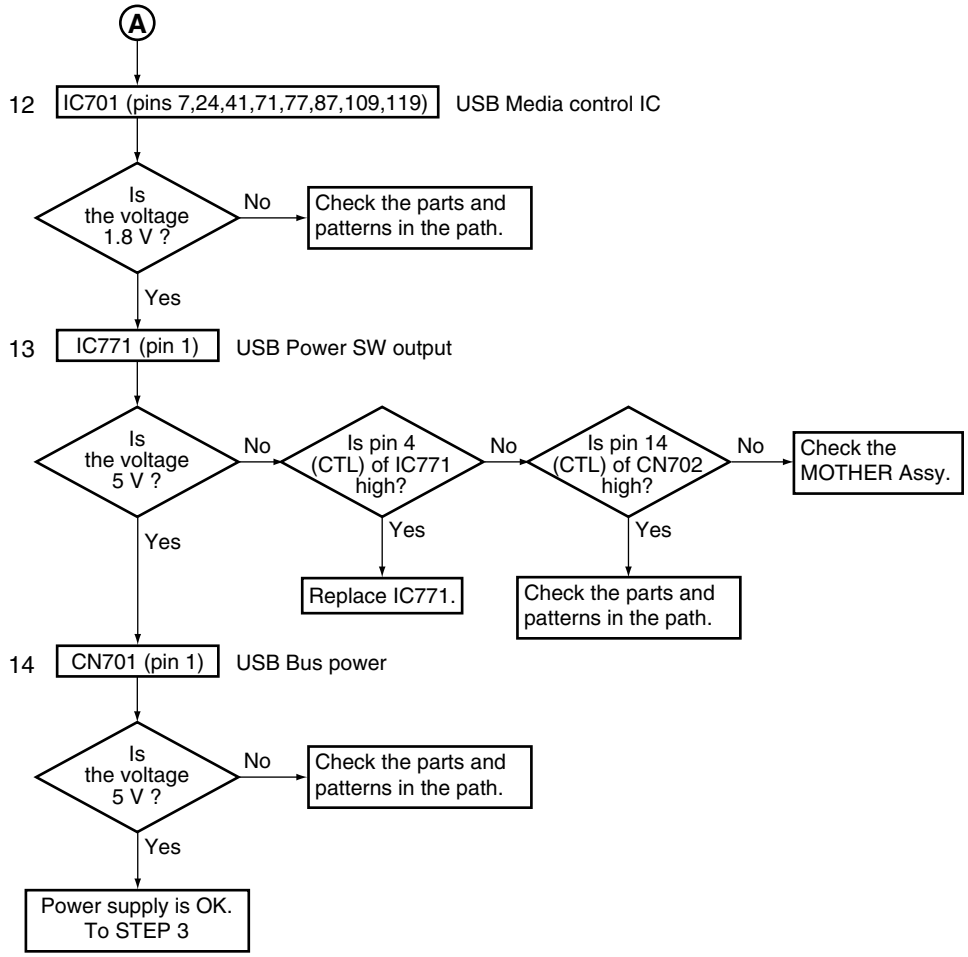
7.3.4.3 Troubleshooting

Step 1: Connectors



Step 2: Power supply


1 CN702 (pin 4) 5 V input
Is the voltage 5 V ?
No
Is there any loose connection of CN702?
No
Check the MOTHER Assy.
Yes
Yes
To STEP 1
2 IC703 (pin 3) 3.3 V Regulator IC input
Is the voltage 5 V ?
No
Check the patterns in the path.
Yes
3 IC951 (pin 14) 3-5 Converter
Is the voltage 5 V ?
No
Check the parts and patterns in the path.
Yes
4 IC771 (pin 5) USB Power SW
Is the voltage 5 V ?
No
Check the parts and patterns in the path.
Yes
5 IC7814 (pins 14, 15) DAC
Is the voltage 5 V ?
No
Check the parts and patterns in the path.
Yes
6 IC703 (pin 1), IC702 (pin 7) 3.3 V Reg. output / 1.8 V Reg. input
Is the voltage 3.3 V ?
No
Is IC703 abnormally hot?
No
Replace IC703.
Yes
Yes
The output and GND may be short-circuited. Check the path between them.
7 IC762 (pins 37, 47) FLASH ROM
Is the voltage 3.3 V ?
No
Check the parts and patterns in the path.
Yes
8 IC761 (pins 1,3,9,14,27,43,49) SDRAM
Is the voltage 3.3 V ?
No
Check the parts and patterns in the path.
Yes
9 IC953 (pin 14) 5-3 Converter
Is the voltage 3.3 V ?
No
Check the parts and patterns in the path.
Yes
10 IC701 (pins 16,33,64,76,112) USB Media control IC
Is the voltage 3.3 V ?
No
Check the parts and patterns in the path.
Yes
11 IC702 (pin 1) 1.8 V Regulator output
Is the voltage 1.8 V ?
No
Is IC702 abnormally hot?
No
Replace IC702.
Yes
Yes
The output and GND may be short-circuited. Check the path between them.
A



Step 3: Operation of USB Media control IC

Note: Please confirm it with the USB memory connected for the content.

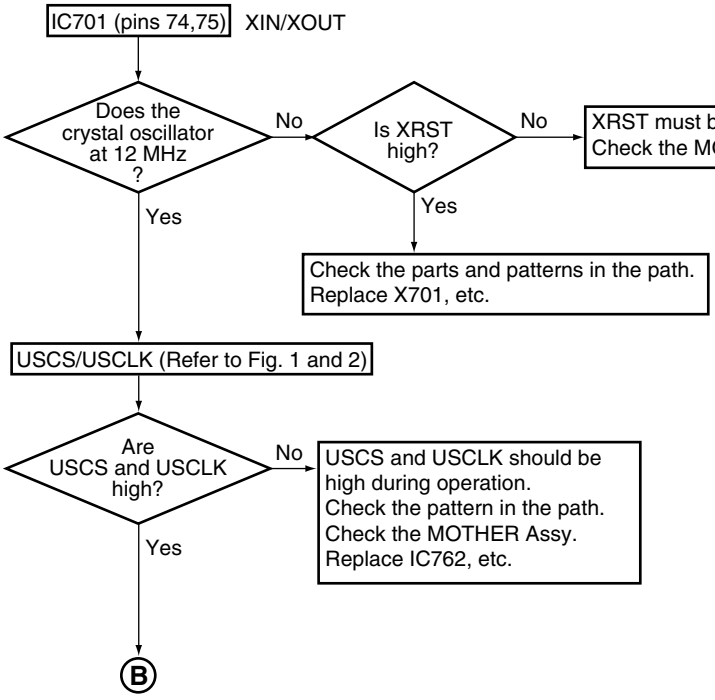

IC701 (pins 74,75)
XIN/XOUT
Does the crystal oscillator at 12 MHz ?
No
Is XRST high?
No
XRST must be high during operation. Check the MOTHER Assy.
Yes
Yes
Check the parts and patterns in the path. Replace X701, etc.
USCS/USCLK (Refer to Fig. 1 and 2)
Are USCS and USCLK high?
No
USCS and USCLK should be high during operation. Check the pattern in the path. Check the MOTHER Assy. Replace IC762, etc.
Yes
B

Fig. 1

	IC701	IC953 (5 V → 3 V)		CN702
XRST	pin 72	pin 3	pins 1,2	pin 5
USCS	pin 121	pin 11	pins 12,13	pin 9
HREQ	pin 122	pin 6	pins 4,5	pin 12
USDAI	pin 118	pin 8	pins 9,10	pin 10

Fig. 2

	IC701	IC951 (3 V → 5 V)		CN702
USCLK	pin 116	pins 4,5	pin 6	pin 7
USDAO	pin 115	pins 9,10	pin 8	pin 11
TREQ	pin 123	pins 12,13	pin 11	pin 13

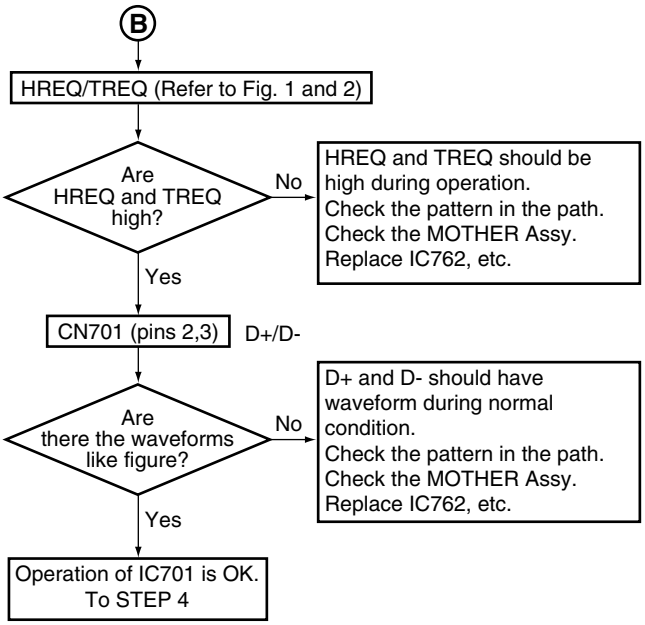
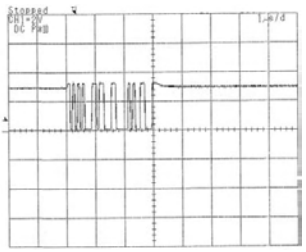
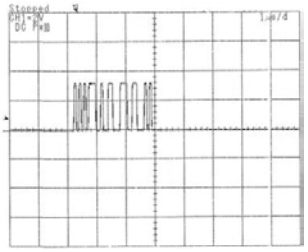


Fig. D+



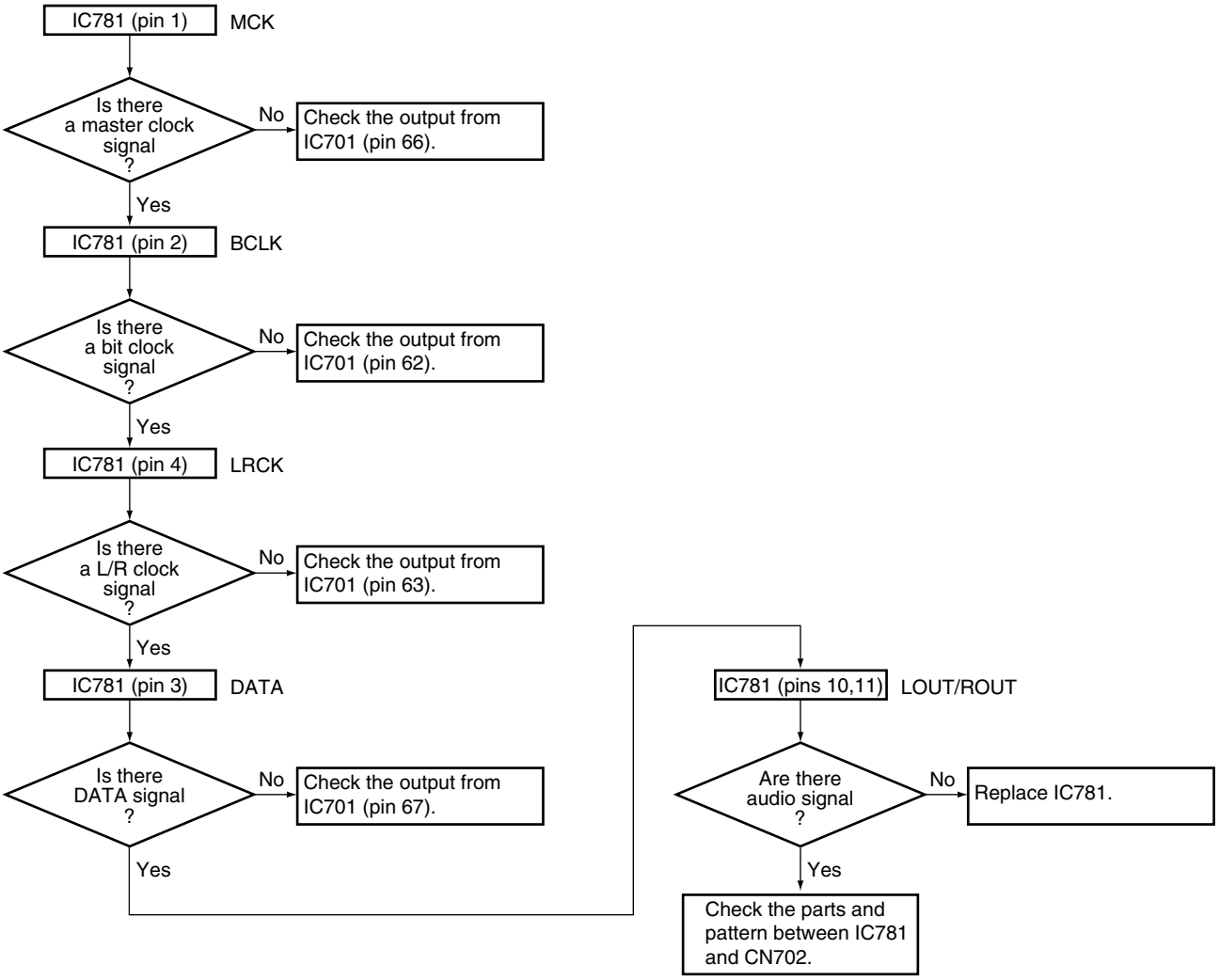
X: 1 µsec/div, Y: 2 V/div

Fig. D-



X: 1 µsec/div, Y: 2 V/div

Step 4: Audio Out check



7.3.4.4 How to Update the Firmware

■ Explanation

With this unit, updating of the firmware of the USB module can be performed, using a USB memory stick. However, if the hardware of the flash memory that stores the firmware or the firmware itself has a problem, updating cannot be performed in a manner described below. In such a case, replacement of the flash memory is required.

■ Procedures

1. Turn the unit on then set the function setting to USB function.
2. Insert the USB memory stick that contains the "player.rom" file.*
3. "LOADING" is indicated on the FL display.
4. "UPDATE" is indicated on the FL display.
5. Wait until "FINISH" is indicated on the FL display.
6. Remove the USB memory stick then set the function setting to anything other than USB.
7. Return the function setting to USB function and wait for about 5 seconds in order to obtain the version data of the USB firmware.
8. Turn the unit off (Standby mode).
9. Check the version ("U_xxxxxx" is suffixed to the version indication).
   If the version is not updated, the data for the new version may not have been obtained in Step 7. Repeat Step 7 and the subsequent steps.

Notes * :

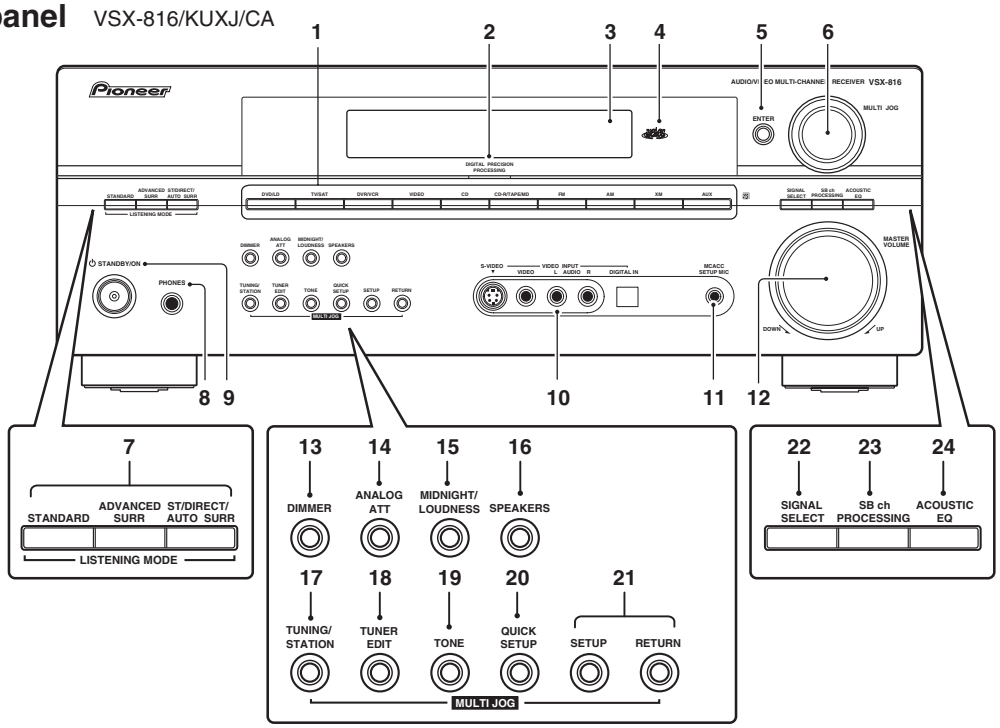
- Never reinsert the USB memory stick that contains the "player.rom" file.
- In a rare case, depending on the type of USB memory stick, the above-mentioned updating procedures are not possible. In such a case, try with other type of USB memory stick.

Importance:

- Never change the function setting or turn the power off during the process of Steps 3 through 5. If you do, loading of the firmware will fail, and updating procedures cannot be continued. In such a case, replacement of the flash memory is required.

8. PANEL FACILITIES

Front panel VSX-816/KUXJ/CA



1 Input select buttons
Press to select an input source.

2 Digital Precision Processing indicator
Lights to indicate digital processing.

3 Character display
See Display.

4 MCACC indicator
Lights when Acoustic Calibration EQ is on (Acoustic Calibration EQ is automatically set to **ALL CH ADJUST** after the Auto MCACC Setup or EQ Auto Setup.

5 ENTER

6 MULTI JOG dial
Use the **MULTI JOG** dial to select various settings and menu options.

7 LISTENING MODE buttons
STANDARD - Press for Standard decoding and to switch between the various Pro Logic IIx and Neo:6 options.

ADVANCED SURR - Use to switch between the surround modes.

ST/DIRECT/AUTO SURR
Selects stereo/direct playback.
Also selects Auto Surround (Auto playback) and XM Surround.

8 PHONES jack
Use to connect headphones (when connected, there is no sound output from the speakers).

9 ⏻ STANDBY/ON
Switches the receiver between on and standby.

10 VIDEO INPUT
See Connecting to the front panel video terminal.

11 MCACC SETUP MIC jack
Use to connect the supplied microphone.

12 MASTER VOLUME dial

13 DIMMER
Dims or brightens the display.

14 ANALOG ATT
Attenuates (lowers) the level of an analog input signal to prevent distortion.

15 MIDNIGHT/LOUDNESS
Switches between Midnight and Loudness listening.

16 SPEAKERS
Use to change the speaker system and the impedance setting.

17 TUNING / STATION
Selects the frequency and station presets when using the tuner.

18 TUNER EDIT
Press to memorize and name a station for recall.

19 TONE
Press this button to access the bass and treble controls, which you can then adjust with the **MULTI JOG** dial.

20 QUICK SETUP
See Using the Quick Setup.

21 System Setup menu controls
SETUP - Use with the **MULTI JOG** dial to access the System Setup menu.

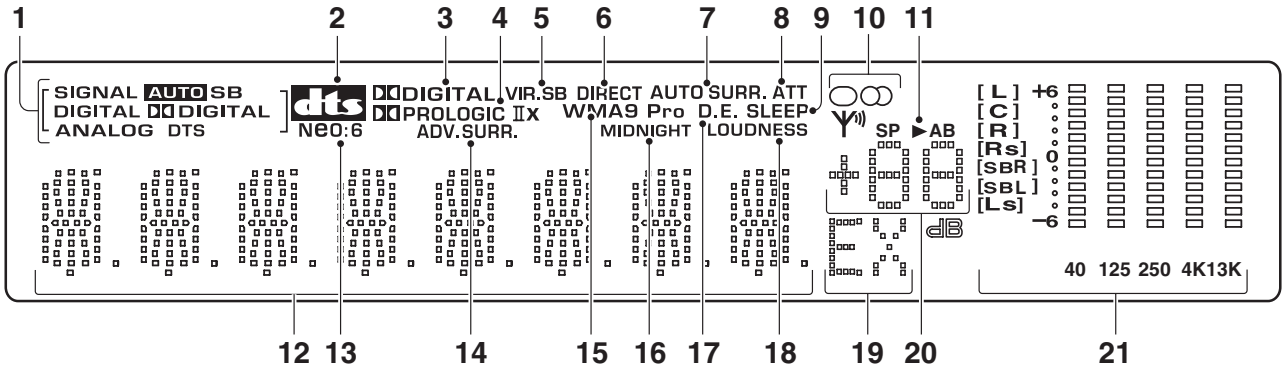
RETURN - Press to confirm and exit the current menu.

22 SIGNAL SELECT
Use to select an input signal.

23 SBch PROCESSING
Selects surround back channel processing or the virtual surround back mode.

24 ACOUSTIC EQ
Press to select an Acoustic Calibration EQ setting.

Display VSX-816/KUXJ/CA



1 SIGNAL indicators
Lights to indicate the type of input signal:

AUTO - Lights when **AUTO** signal select is on.
SB - Depending on the source, this lights when a signal with surround back channel encoding is detected.
DIGITAL – Lights when a digital audio signal is detected.

DIGITAL – Lights when a Dolby Digital encoded signal is detected.

ANALOG – Lights when an analog signal is detected.

DTS – Lights when a source with DTS encoded audio signals is detected.

2 dts
When the **STANDARD** mode is on, this lights to indicate decoding of a DTS multichannel signal.

3 DIGITAL
When the **STANDARD** mode of the receiver is on, this lights to indicate decoding of a Dolby Digital multichannel signal.

4 PRO LOGIC IIx
When the (**STANDARD**) Pro Logic II mode of the receiver is on, **PRO LOGIC II** lights to indicate Pro Logic II decoding. **PRO LOGIC IIx** lights to indicate Pro Logic IIx decoding (see Listening in surround sound).

5 VIR.SB
Lights during Virtual surround back processing.

6 DIRECT
Lights when source direct playback is in use. Direct playback bypasses the tone controls for the most accurate reproduction of a source.

7 AUTO SURR.
Lights when Auto Surround (see Auto playback) or XM Surround is on.

8 ATT
Lights when **ANALOG ATT** is used to attenuate (reduce) the level of the analog input signal.

9 SLEEP
Lights when the sleep mode is active (see Remote control below).

10 Tuner indicators
– Lights when the mono mode is set using the **MPX** button.
– Lights when a stereo FM broadcast is being received in auto stereo mode.

– Lights when a broadcast is being received.

11 Speaker indicators
Lights to indicate the current speaker system, **A** and/or **B** .

12 Character display

13 Neo:6
When the (**STANDARD**) Neo:6 mode of the receiver is on, this lights to indicate Neo:6 processing.

14 ADV.SURR. (Advanced Surround)
Lights when one of the Advanced Surround modes has been selected.

15 WMA9 Pro
Lights to indicate decoding of a WMA9 Pro signal.

16 MIDNIGHT
Lights during Midnight listening.

17 D.E.
Lights when Dialog Enhancement (**DIALOG E**) is switched on.

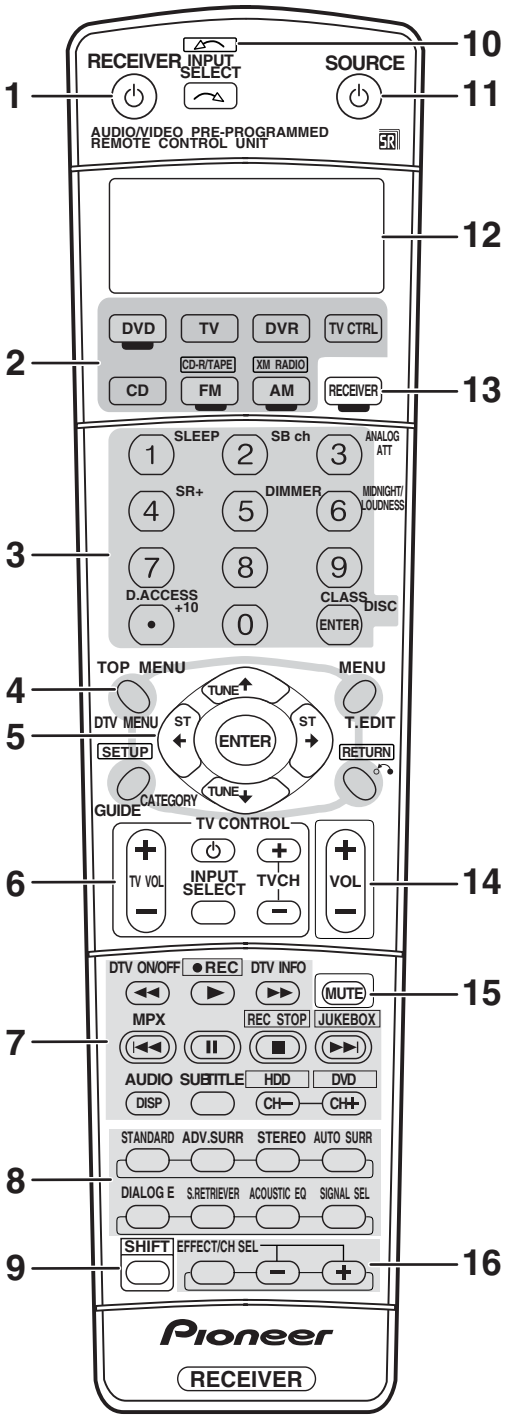
18 LOUDNESS
Lights during Loudness listening .

19 EX
Lights when a Dolby Digital Surround EX encoded signal is detected.

20 Master volume level
Shows the overall volume level.

21 MCACC channel EQ / Sound Retriever indicators
These indicators show the EQ balance for each channel in Checking your Acoustic Calibration EQ settings. Also, **L** and **R** light when the Sound Retriever is active.

Remote control VSX-816/KUXJ/CA



1 RECEIVER ⏻

This switches between standby and on for this receiver.

2 MULTI CONTROL buttons

Press to select control of other components (see Controlling the rest of your system).

3 Number buttons and other receiver/ component controls

Use the number buttons to directly select a radio frequency or the tracks on a CD, DVD, etc.

DISC (ENTER) can be used to enter commands for TV or DTV, and can also be used to select a disc in a multi-CD player.

The following are accessed by pressing the **RECEIVER** button first:

SLEEP - Press to change the amount of time before the receiver switches into standby (**90 min – 60 min – 30 min – Off**). You can check the remaining sleep time at any time by pressing **SLEEP** once.

SB ch - Selects the surround back channel mode or virtual surround back mode.

ANALOG ATT - Attenuates (lowers) the level of an analog input signal to prevent distortion.

SR + - Switches the SR+ mode on/off.

DIMMER - Dims or brightens the display.

MIDNIGHT/LOUDNESS - Use Midnight when listening to movie soundtracks at low volume. Use Loudness to boost the bass and treble at low volume.

D.ACCESS - After pressing, you can access a radio station directly using the number buttons.

CLASS - Switches between the three banks (classes) of radio station presets.

4 Tuner/component control buttons/SETUP

The following button controls (except **SETUP**) can be accessed after you have selected the corresponding **MULTI CONTROL** button (**DVD**, **FM**, **AM**, **TV**, etc.)

TOP MENU - Displays the disc 'top' menu of a DVD.

DTV MENU - Displays menus on a digital TV.

MENU - Displays the disc menu of DVD-Video discs. It also displays TV and DTV menus.

T.EDIT - Press to memorize and name a station for recall.

SETUP (Press **RECEIVER** first to access) Use to access the System Setup menu.

GUIDE - Displays the guides on a digital TV.

RETURN - Press to confirm and exit the current menu (also use to return to the previous menu with DVDs or to select closed captioning with DTV).

5 ⬅➡⬇⬆ (TUNE/ST +/–) /ENTER

Use the arrow buttons when setting up your surround sound system. Also used to control DVD menus/options and for deck 1 of a double cassette deck player. Use the **TUNE ⬇/⬆** buttons to find radio frequencies and use **ST ⬅/➡** to find preset stations.

6 TV CONTROL buttons
These buttons are dedicated to control the TV assigned to the **TV CTRL** button. Thus if you only have one TV to hook up to this system assign it to the **TV CTRL MULTI CONTROL** button. If you have two TVs, assign the main TV to the **TV CTRL** button .

TV ⏻ - Use to turn on/off the TV power.

TV VOL +/– - Use to adjust the TV volume.

INPUT SELECT - Use to select the TV input signal.

TV CH +/– - Use to select channels.

7 Component control buttons
The main buttons (►, ■ , etc.) are used to control a component after you have selected it using the **MULTI CONTROL** buttons.
The controls above these buttons can be accessed after you have selected the corresponding **MULTI CONTROL** button (for example **DVD**, **DVR** or **TV** (when connected to a DTV)).

DTV ON/OFF - Switches a digital TV on/off.

DTV INFO - Use to bring up information screens on a digital TV.

MPX - Switches between stereo and mono reception of FM broadcasts. If the signal is weak then switching to mono will improve the sound quality.

AUDIO - Changes the audio language or channel on DVD discs.

DISP - Switches between named station presets and radio frequencies.

SUBTITLE - Displays/changes the subtitles included in multilingual DVD-Video discs.

CH +/– - Use to select channels when using a TV, VCR, DVR, etc.

The following DVR controls can be accessed by pressing **SHIFT**:

●**REC** - Starts recording.

REC STOP - Stops recording.

JUKEBOX - Switches to the Jukebox feature.

HDD/**DVD** - These buttons switch between the hard disk and DVD controls for DVD/ HDD recorders.

8 RECEIVER CONTROL buttons
STANDARD - Press for Standard decoding and to switch between the various Pro Logic IIx and Neo:6 options.

ADV.SURR. - Use to switch between the various surround modes.

STEREO - Switches between direct and stereo playback. Direct playback bypasses the tone controls and any other signal processing for the most accurate reproduction of a source.
AUTO SURR - Selects Auto Surround (Auto playback) and XM Surround.

DIALOG E - Use to make dialog stand out when watching TV or a movie.

S. RETRIEVER - Press to restore CD quality sound to compressed audio sources.

ACOUSTIC EQ - Press to select an Acoustic Calibration EQ setting.

SIGNAL SEL - Use to select an input signal.

9 SHIFT
Press to access the DVR controls (above the component control buttons) as well as some receiver controls.

10 INPUT SELECT
Use to select the input source (use **SHIFT** for **INPUT SELECT** ⌨).

11 ⏻SOURCE
Press to turn on/off other components connected to the receiver.

12 Character display (LCD)
This display shows information when transmitting control signals.

The following commands are shown when youíre setting the remote to control other components (see Controlling the rest of your system):

SETUP - Indicates the setup mode, from which you choose the options below.

PRESET - See Selecting preset codes directly.

DIRECT F - See Direct function.

ERASE - See Erasing one of the remote control button settings.

RESET - See Erasing all of the remote control presets.

READ ID - See Confirming preset codes.

13 RECEIVER
Switches the remote to control the receiver (used to select the green commands above the number buttons (**DIMMER**, etc). Also use this button to set up surround sound.

14 VOL +/–
Use to set the listening volume.

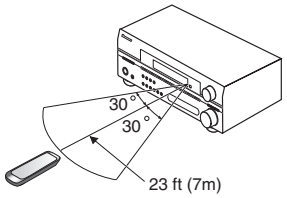
15 MUTE
Mutes the sound or restores the sound if it has been muted (adjusting the volume also restores he sound).

16 EFFECT/CH SEL
Press repeatedly to select a channel, then use **+/–** to adjust the level.
Also adjusts the level of the Advanced Surround effects, Dolby Pro Logic IIx Music, and Neo:6 Music parameters. You can then use the **+/–** buttons to make these adjustments.

Operating range of remote control

The remote control may not work properly if:

- There are obstacles between the remote control and the receiver's remote sensor.
- Direct sunlight or fluorescent light is shining onto the remote sensor.
- The receiver is located near a device that is emitting infrared rays.
- The receiver is operated simultaneously with another infrared remote control unit.

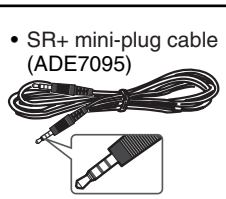


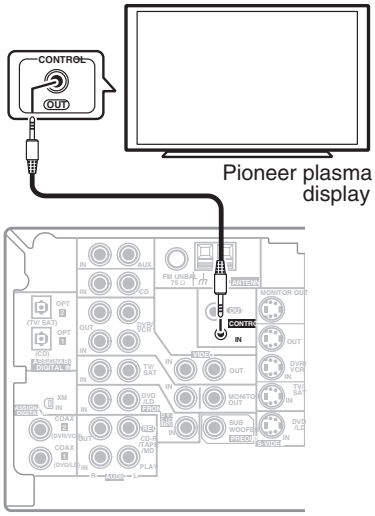
Using this receiver with a Pioneer plasma display

If you have a Pioneer plasma display2, you can use an SR+ cable to connect it to this unit and take advantage of various convenient features, such as automatic video input switching of the plasma display when the input is changed.

SERVICE PARTS

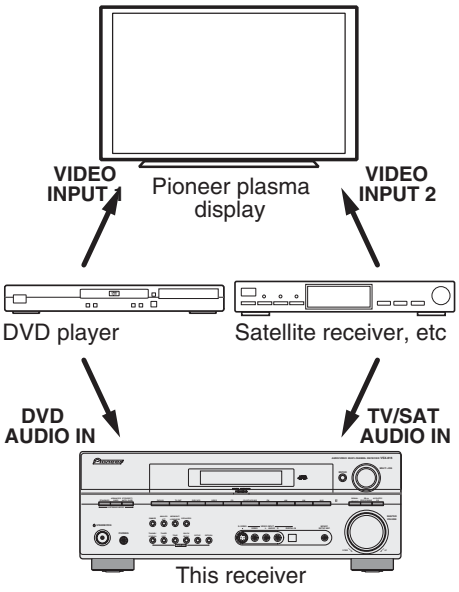
- SR+ mini-plug cable (ADE7095)





• Use a 3-ringed miniplug SR+ cable[1] to connect the CONTROL IN jack of this receiver with the CONTROL OUT of your plasma display.

Before you can use the extra SR+ features, you need to make a few settings in the receiver. See SR+ Setup for Pioneer plasma displays for detailed instructions.



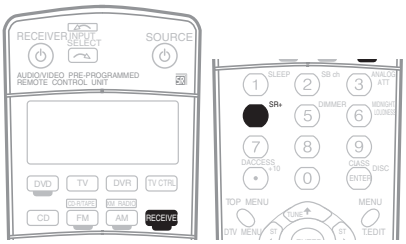
To make the most of the SR+ features, you should connect your source components (DVD player, etc.) in a slightly different way to that described in this chapter. For each component, connect the video output directly to the plasma display, and just connect the audio (analog and/or digital) to this receiver.

Using the SR+ mode with a Pioneer plasma display

When connected using an SR+ cable, a number of features become available to make using this receiver with your Pioneer plasma display even easier. These features include:

- On-screen volume display.
- On-screen display of listening mode.
- Automatic video input switching on the plasma display.
- Automatic volume muting on the plasma display.[2]

See also SR+ Setup for Pioneer plasma displays for more on setting up the receiver.



1 Make sure that the plasma display and this receiver are switched on and that they are connected with the SR+ cable.

See Using this receiver with a Pioneer plasma display above for more on this.

2 To switch SR+ mode on/off, press RECEIVER, then the SR+ button.

The front panel display shows **SR+ ON** or **OFF**.

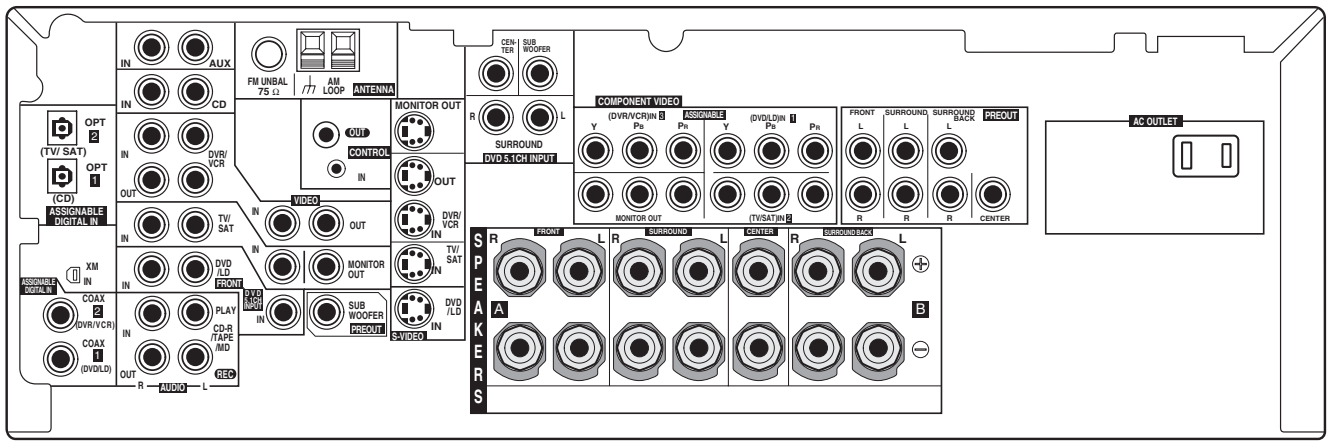
Note

1 The 3-ringed SR+ cable from Pioneer is commercially available under the part number ADE7095. Contact the Pioneer Customer Support division for more information on obtaining an SR+ cable (you can also use a commercially available 3-ringed mini phone plug for the connection).

If you connect to a Pioneer plasma display using an SR+ cable, you will need to point the remote control at the plasma display remote sensor to control the receiver. In this case, you wonít be able to control the receiver using the remote control if you switch the plasma display off.

2 The automatic volume muting feature is enabled separately; see SR+ Setup for Pioneer plasma displays.

VSX-816/KUXJ/CA



■ CLEANING

Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools:

Position to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008